THE INDIAN SCHOOL BAHRAIN

Computer Science Project

TRAVELS AND TOURISM



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This is to certify that the project titled Travels and Tourism has been completed by Joel Juby of class XII-K and submitted to his Computer Science teacher Mr. Pius Mathew according to the rules and norms set by the Central Board of Secondary Education (CBSE) for the academic year 2020-2021.

Signature of Internal Examiner Signature of External Examiner

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INTRODUCTION

The Travel and Tourism project is divided into two, Consumer section, and the Employee section.

The Consumer section is further divided into sections for booking, and cancellation. The consumer may browse through a selection of countries provided, and read through the recommended cities and tourist attractions before making their final booking. The consumer will proceed to get an estimate for cost of the trip, which is calculated based on location, duration of stay, number of travellers, and the number of rooms required. This cost can be displayed in Bahraini Dinar, US Dollars, Indian Rupees, or the local currency. The consumer is then asked for their details, upon which a consumer ID is assigned to them, the consumer status is set to "ACTIVE", and a booking is made.

This program utilizes both Python and MySQL.

About Python

Python is an object-oriented programming language that is designed in C. By nature, it is a high-level programming language that allows for the creation of both simple as well as complex operations.

Features of Python

Python is meant to be an easily readable language. Its formatting is visually uncluttered, and it often uses English keywords where other languages use punctuation. Unlike many other languages, it does not use curly brackets to delimit blocks, and semicolons after statements are optional. It has fewer syntactic exceptions and special cases than C or Pascal.

- \circ Easy to code
- High-level language
- Extensive array of library
- Support for other languages

Easy to Code

Python is a very developer-friendly language which means that anyone and everyone can learn to code it in a couple of hours or days. As compared to other object-oriented programming languages like Java, C, C++, and C#, Python is one of the easiest to learn.

High-Level Language

Python has been designed to be a high-level programming language, which means that when you code in Python you don't need to be aware of the coding structure, architecture as well as memory management.

Extensive Array of Library

Out of the box, Python comes inbuilt with a large number of libraries that can be imported at any instance and be used in a specific program. The presence of libraries also makes sure that you don't need to write all the code yourself and can import the same from those that already exist in the libraries.

Support for Other Languages

Being coded in C, Python by default supports the execution of code written in other programming languages such as Java, C, and C#, thus making it one of the versatile in the industry.

<u>MySQL</u>

SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

SYSTEM ANALYSIS

The Travel and Tourism project is divided into two, Consumer section, and the Employee section.

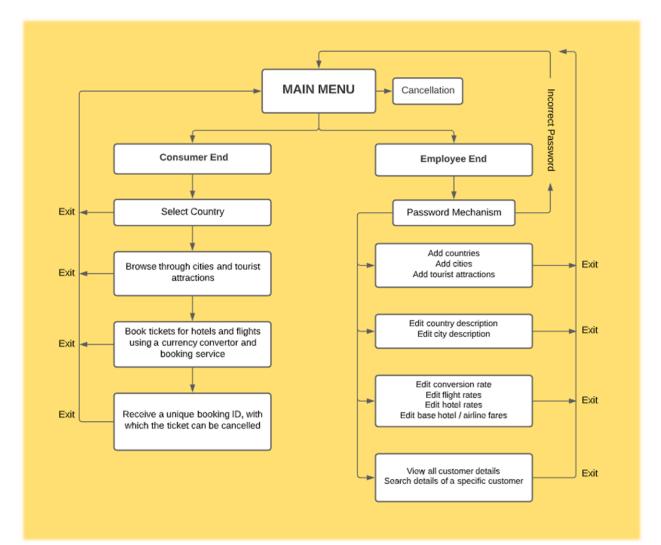
The consumer may cancel their booking at any time. To cancel the booking, the consumer will need to enter their consumer ID, upon which they will receive a refund, and the consumer status is set to "CANCELLED".

A password is required to access the Employee section, set to "1234" for this program. After the user has gained access to the Employee section, they may edit the existing info, or input new entries as required.

There are a large number of functions for the employee section of the program. Firstly, insertcountry, which is used to insert a country into the main table. It comes with functions such as insertcity and inserttourism, each of which are their own independent functions that can be used by the employee.

Functions such as edithotelmult and editflightmult, however, are specifically used outside of the other functions, as they are used to update values that already exist for a certain country.

SYSTEM DESIGN



<u>SQL TABLES</u>

150010						
mysql> use travel_ Database changed mysql> show tables		+				
<pre>Tables_in_travel_and_tourism conversion countrycity countrytourism customerinfo fares flights hotels maintable</pre>						
8 rows in set (0.0 mysql> desc conver				4		
Field Type Nul:		. Key	Defa	ult Extr	ra	
COUNTRY varchar(20) YES RATEBHD decimal(5,2) YES RATEUSD decimal(5,2) YES RATEINR decimal(5,2) YES			NULL NULL NULL			
4 rows in set (0.01 sec)						
mysql> desc countr	ycity;					
Field Ty	pe	Null	Key	Default	Extra	
CITY va	CITY varchar(20)			NULL NULL NULL		
3 rows in set (0.0	1 sec)					

mysql> desc countrytourism; Field | Null | Key | Default | Extra Type COUNTRY | varchar(20) YES NULL PLACES varchar(200) YES NULL 2 rows in set (0.00 sec) mysql> desc customerinfo; Field Type | Null | Key | Default | Extra MOBILE | varchar(20) | YES NULL varchar(60) YES EMAIL NULL varchar(8) YES ID NULL varchar(30) | YES NAME NULL STATUS | varchar(15) | YES NULL 5 rows in set (0.02 sec) mysql> desc farees; ERROR 1146 (42S02): Table 'travel_and_tourism.farees' doesn't exist mysql> desc fares; Field | Null | Key | Default | Extra Type COUNTRY varchar(20) YES NULL AIRFARE int YES NULL HOTELFARE int YES NULL CURRENCYNAME | varchar(20) | YES NULL 4 rows in set (0.00 sec)

mysql> desc fl +	ights;		-+	+	+		
Field	Type	Null	. Key	/ Defaul	t Extra		
SLNO FLIGHTNAME ECONMULT BUSINESSMULT	<pre>varchar(2) varchar(20) decimal(2,1) decimal(2,1)</pre>			NULL NULL NULL NULL			
4 rows in set	(0.00 sec)						
mysql> desc ho ++	tels; 				++		
Field	Туре	Null	Key	Default	Extra		
SLNO NAME MULTIPLIER	varchar(2) varchar(20) decimal(2,1)	YES YES YES		NULL NULL NULL			
3 rows in set (0.00 sec) mysql> desc maintable;							
Field	Туре	Null	Key	/ Defaul	t Extra		
COUNTRY CONTINENT DESCRIPTION	varchar(20) varchar(20) varchar(2000)	YES YES) YES		NULL NULL NULL			
++ 3 rows in set (0.00 sec)							

SOURCE CODE

import mysql.connector mydb=mysql.connector.connect(host="localhost",user="root",passwd="1234",database="TRAVEL_AND_TOURISM") mycursor=mydb.cursor() import random from tabulate import tabulate

n=None m=None totalhotel=None totalair=None countryname=None

#CONSUMER FUNCTIONS#

def deco():
 #use to create line of decor
 print("><"*78)</pre>

```
def mainmenu():
    #use to return back to menu
    deco()
    print("\n")
    global n
    x="***WELCOME TO AZURE TRAVEL AND TOURISM INC.***"
    y='ENTER 1 FOR BOOKING'
    t='ENTER 2 FOR CANCELLATION'
    z='ENTER 3 IF YOU ARE AN EMPLOYEE'
    k="ENTER 0 IN ORDER TO EXIT"
    print(x.center(158),"\n",y.center(158),"\n",t.center(156),"\n",z.center(155),"\n\n",k.center(156),end="\n\n\n")
    deco()
    n=int(input(">Kindly enter your choice :"))
```

def maintable():
 #use to display screen 1 for consumer
 global m
 com="select country,continent from MAINTABLE"
 mycursor.execute(com)
 lists=mycursor.fetchall()
 deco()
 print(tabulate(lists,headers=["COUNTRY","CONTINENT"],tablefmt='fancy_grid'))
 deco()
 m=input("> Kindly enter name of country you are interested in :")

def CONSUMERSCREEN1():

```
#displays the main consumer screen
   global m
   m=m.capitalize()
   print("\n", m.center(154), "\n")
   com="select description from MAINTABLE where country='{}".format(m)
   mycursor.execute(com)
   lists=mvcursor.fetchall()
   print("==>",lists[0][0],"\n")
   print("## Cities you are recommended to visit during your stay in {} include ## ".format(m),"\n")
   com="select city,description from COUNTRYCITY where country='{}".format(m)
   mycursor.execute(com)
   lists=mycursor.fetchall()
   for tuples in lists:
      print("<>",tuples[0],"\n","->",tuples[1],"\n")
   print("## Popular tourist attractions in {} include ## ".format(m),"\n")
   com="select places from COUNTRYTOURISM where country='{}".format(m)
   mycursor.execute(com)
   lists=mycursor.fetchall()
   for tuples in lists:
      print("<>",tuples[0])
   print("\n")
   deco()
def calculatecost():
  #used in total cost calculation
  global x
  com="select airfare,hotelfare,currencyname from FARES where country='{}".format(m)
  mycursor.execute(com)
  lists=mycursor.fetchall()
  air=lists[0][0]
  hotel=lists[0][1]
  currency=lists[0][2]
  return air, hotel, currency
def flights():
   #used to display available flights
   global y
   global totalair
   fares=calculatecost()
   currency=fares[2]
   airfare=fares[0]
   com="select slno,flightname,econmult,businessmult from flights"
   mycursor.execute(com)
   lists=mycursor.fetchall()
   deco()
   k=0
   print("SL.NO","\t\t","AIRLINE","\t\t","ECONOMY CLASS","\t\t","BUSINESS CLASS")
   print("+"*80)
   for tuples in lists:
```

```
print(">",tuples[0],"\t\t",tuples[1],"\t\t",airfare*tuples[2]," ",currency,"\t\t",airfare*tuples[3]," ",currency)
      k+=1
   deco()
   print("\n")
   n=input("Enter serial number of the airline of your choice :")
   print("\n")
   a=input("Enter class preference (E/B) :")
   print("\n")
   deco()
   a=a.upper()
   for tuples in lists:
      if tuples[0]==n:
         if a=="E":
            mult=tuples[2]
         else:
            mult=tuples[3]
   totalair=airfare*mult*y
def hotelsandflights():
   #used for display of both hotels and flights
   global m
   global x
   global y
   global z
   global totalhotel
   global totalair
   fares=calculatecost()
   hotelfare=fares[1]
   currency=fares[2]
   com="select slno,name,multiplier from hotels"
   mycursor.execute(com)
   lists=mvcursor.fetchall()
   com="select city from countrycity where country='{}".format(m)
   mycursor.execute(com)
   lists2=mycursor.fetchall()
   L=[]
   for tuples in lists2:
      L.append(tuples[0])
   k=0
   print("SL.NO","\t\t","HOTEL","\t\t\t","CITY","\t\t\t","PRICE/NIGHT")
   print("+"*80)
   for tuples in lists:
      print(">",tuples[0],"\t\t",tuples[1],"\t\t",L[k],"\t\t",hotelfare*tuples[2]," ",currency)
      k+=1
   deco()
   print("\n")
   n=input("> Enter serial number of the hotel of your choice :")
   for tuples in lists:
      if tuples[0]==n:
         mult=tuples[2]
```

```
break
   totalhotel=hotelfare*mult*z*x
   print("\n")
   flights()
   print("\n")
   print("> Total flight cost (for all travellers) is :",totalair,currency,"\n")
   print("> Total hotel cost (for all travellers) is :",totalhotel,currency,"\n")
   print("> Total cost of trip for all travellers is estimated at :",totalair+totalhotel,currency)
   print("\n")
def convertor():
  #used for currency conversion
  global m
  global a
  com="select ratebhd, rateusd from CONVERSION where country='{}".format(m)
  mycursor.execute(com)
  lists=mycursor.fetchall()
  tuples=lists[0]
  if a==1:
     currency="BHD"
     rate=tuples[0]
  elif a==2:
     currency="USD"
     rate=tuples[1]
  return rate, currency
def booking():
   #booking mechanism
   global mob
   email=input("> Enter email address :")
   print("\n")
   method=input("> Enter method of payment [CREDIT CARD/DEBIT CARD] :")
   print("\n")
   deco()
   print("\n")
   print(">>WELCOME TO EZPAY SECURE PAYMENT GATEWAY<<".center(158))</pre>
   cred=int(input("> ENTER CARD NUMBER :"))
   print("\n")
   date=input("> ENTER DATE OF EXPIRY [MM/YYYY] :")
   print("\n")
   name=input("> ENTER NAME OF CARDHOLDER :")
   print("\n")
   deco()
   print(">>EZPAY SECURE PAYMENT GATEWAY<<".center(158))</pre>
   print("> Card Number : ",cred,"\n")
   print("> Expiry Date : ",date,"\n")
   print("> Name of card holder : ",name,"\n")
   global totalsir
   global totalhotel
   global currency
```

```
global x
   global y
   global z
   global r
   cost=(totalair*r)+(totalhotel*r)
   print("> AMOUNT TO BE PAID : ",cost,currency,"\n")
   n=input("> Press Y to confirm payment :")
   print("\n")
   deco()
   print("\n")
   print("> CONGRATULATIONS !!!! You have successfully completed the booking of your trip !!","\n")
   ran="2002"+str(random.randint(1000,2000))
   print("> Your booking ID is : ",ran, "\n")
   print("> *DO NOT SHARE THE ABOVE BOOKING ID WITH ANYONE. KINDLY SAVE IT TO AVAIL OUR OTHER SERVICES*","\n")
   print("> Your booking confirmation shall be sent to your e-mail address within 24 hours","\n")
   print("> For more information/queries, kindly contact us at team2@gmail.com")
   print("\n")
   print("> You may also contact us at 38726382/36478283")
   print("\n\n\n","THANK YOU FOR USING OUR SERVICES, WE LOOK FORWARD TO HELPING YOU PLAN YOUR DREAM VACATION ONCE AGAIN". center(155))
   print("\n")
   mycursor.execute(com)
   mydb.commit()
def cancellation():
  #used to cancel a booking
  global cancel
  com="update CUSTOMERINFO set status='CANCELLED' where ID={}".format(cancel)
  mycursor.execute(com)
  mydb.commit()
# EMPLOYEE FUNCTIONS #
def rateupdate():
  #used to change conversion rate
  print("\n")
  country=input("> Enter name of country whose conversion rates you would like to edit : ")
  print("\n")
  country=country.upper()
  L=['ratebhd', 'rateusd', 'rateinr']
  for i in range(3):
     t=L[i]
     n=input("> Would you like to edit {} (Y/N)".format(t))
     n.upper()
     if n in "Yy":
        print("\n")
       x=float(input("> Enter new conversion rate : "))
        print("\n")
```

```
com="update conversion set \{\}=\} where country='\{\}".format(t,x,country)
        mycursor.execute(com)
        mydb.commit()
def editflightmult():
  #used to edit flight multipliers
  mycursor.execute("select SLNO,FLIGHTNAME from flights")
  result=mycursor.fetchall()
  print(tabulate(result,headers=['SLNO', 'FLIGHTNAME',],tablefmt='fancy_grid'))
  print("\n")
  a=input("> Enter the name of the flight whose multiplier is to be edited :")
  mycursor.execute("select * from flights where FLIGHTNAME='{}"'.format(a))
  result=mycursor.fetchall()
  print(tabulate(result,headers=['SLNO','FLIGHTNAME','ECONMULT','BUSINESSMULT'],tablefmt='fancy_grid'))
  print("\n")
  M=input(> Are you sure you wish to edit this flight? (Y/N): ')
  print("\n")
  if M in "Yy":
    N=input(">Which multiplier do you wish to edit ? (E/B) :")
    if N in "Ee":
      print("\n")
      X=input("> Enter new multiplier : ")
      print("\n")
      query="update flights set BUSINESSMULT='{}' where FLIGHTNAME='{}'''.format(X,a)
      mycursor.execute(query)
      mydb.commit()
      mycursor.execute("select * from flights where FLIGHTNAME='{}".format(a))
      result=mycursor.fetchall()
      print(tabulate(result,headers=['SLNO','FLIGHTNAME','ECONMULT','BUSINESSMULT'],tablefmt='fancy_grid'))
    elif N in "Bb":
        print("\n")
        Y=input("> Enter new multiplier :")
        query="update flights set ECONMULT='{}' where FLIGHTNAME='{}''.format(Y,a)
        mycursor.execute(query)
        mydb.commit()
        mycursor.execute("select * from flights where FLIGHTNAME='{}".format(a))
        result=mycursor.fetchall()
       print(tabulate(result,headers=['SLNO','FLIGHTNAME','ECONMULT','BUSINESSMULT'],tablefmt='fancy_grid'))
  elif M in 'Nn':
      print('> You may try again later')
def edithotelmult():
  # used to edit hotel multipliers
  mycursor.execute("select SLNO,NAME from HOTELS")
  result=mycursor.fetchall()
  print(tabulate(result,headers=['SLNO','HOTELNAME'],tablefmt="fancy_grid"))
  print("\n")
  b=input("> Enter the name of the hotel whose multiplier is to be edited :")
  mycursor.execute("select * from hotels where NAME='{}".format(b))
  result=mycursor.fetchall()
```

```
print("\n")
  print(tabulate(result,headers=['SLNO','HOTELNAME','MULTIPLIER'],tablefmt='fancy_grid'))
  X=input('> Are you sure you wish to edit this hotel ? (Y/N) : ')
  print("\n")
  if X in 'Yy':
    print("\n")
    Y=input('>Enter new multiplier :')
    print("\n")
    query="update hotels set MULTIPLIER='{}' where NAME='{}".format(Y,b)
    mycursor.execute(query)
    mvdb.commit()
    mycursor.execute("select * from hotels where NAME='{}".format(b))
    result=mycursor.fetchall()
    print(tabulate(result,headers=['SLNO','HOTELNAME','MULTIPLIER'],tablefmt='fancy_grid'))
   elif X in 'Nn':
      print('>You may try again later')
def insertcity(identifier):
    #used to add city to countrycity table
    if identifier==1:
      global countryname
    else:
        print("\n")
        countryname=input("> Enter name of country : ")
    print("\n")
    ncity=int(input("> Enter number of cities to be added : "))
    for i in range (ncity):
       print("\n")
       m=input('> Enter name of city to be added : ')
       print("\n")
       n=input('> Enter description of city : ')
       print("\n")
       com="insert into COUNTRYCITY values ('{}','{}','{}')".format(countryname,m,n)
       mycursor.execute(com)
       mydb.commit()
def inserttourism(identifier):
    #used to add a tourist place to countrytourism table
    if identifier==1:
        global countryname
    else:
        print("\n")
        countryname=input("> Enter name of country where attraction is located : ")
    print("\n")
    ntourism=int(input("> Enter number of tourist attractions to be added : "))
    for i in range (ntourism):
        print("\n")
        t=input("Enter name of tourist attraction to be added : ")
        print("\n")
        com="insert into COUNTRYTOURISM values ('{}','{}')".format(countryname,t)
```

```
mycursor.execute(com)
        mydb.commit()
def insertfares():
    #only used in insertcountry to add new fares
    global countryname
    print("\n")
    a=int(input("> Enter average airfare : "))
    print("\n")
    h=int(input("> Enter average hotelfare : "))
    print("\n")
    curry=input("Enter currency name : ")
    print("\n")
    com="insert into FARES values ('{}','{}','{}','{}')".format(countryname,a,h,curry)
    mycursor.execute(com)
    mvdb.commit()
def updatefares():
    print("\n")
    c=input("> Enter name of country where base hotel/airfares are to be edited : ")
    print("\n")
    h=int(input("> Enter new hotel fare : "))
    print("\n")
    a=int(input("> Enter new air fare : "))
    print("\n")
    com="update FARES set AIRFARE='{}', HOTELFARE='{}' where country='{}".format(c,a,h)
    mycursor.execute(com)
    mvdb.commit()
def insertcountry():
    #used to add new country
    global countryname
    print("\n")
    countryname=input('> Enter name of country to be inserted : ')
    print("\n")
    s=input('> Enter name of continent : ')
    print("\n")
    n=input('> Enter description of country : ')
    print("\n")
    com="insert into MAINTABLE values ('{}','{}','{}')".format(countryname,s,n)
    mycursor.execute(com)
    mvdb.commit()
    i=float(input("> Enter conversion rate to INR : "))
    b=float(input("> Enter conversion rate to BHD : "))
    d=float(input("> Enter conversion rate to USD : "))
    newcom="insert into CONVERSION values ('{}','{}','{}','{}')".format(countryname,b,d,i)
    mycursor.execute(newcom)
    mydb.commit()
```

```
insertcity(1)
    inserttourism(1)
    insertfares()
def updatecitydesc():
   #used to edit description of city
   print("\n")
   m=input('> Enter name of city to be edited : ')
   print("\n")
   s=input('> Enter new description : ')
   print("\n")
   com="update COUNTRYCITY set description='{}' where city='{}".format(s,m)
   mycursor.execute(com)
   mydb.commit()
def updatecountrydesc():
   print("\n")
   c=input('> Enter name of country to be edited : ')
   print("\n")
   s=input('> Enter new description : ')
   print("\n")
   com="update MAINTABLE set description='{}' where country='{}".format(s,c)
   mycursor.execute(com)
   mydb.commit()
def displaycustomers():
  com="select * from customerinfo"
  mycursor.execute(com)
  lists=mycursor.fetchall()
  print("\n")
  print(tabulate(lists,headers=["MOBILE","EMAIL","ID","NAME","STATUS"],tablefmt='fancy_grid'))
def customersearch():
  print("\n")
  Id=int(input("Enter booking ID of required customer : "))
  print("\n")
  com="select * from customerinfo where ID='{}"".format(Id)
  mycursor.execute(com)
  lists=mycursor.fetchall()
  print(tabulate(lists,headers=["MOBILE","EMAIL","ID","NAME","STATUS"],tablefmt='fancy_grid'))
# START OF PROGRAM #
while True:
   mainmenu()
   if n==0:
     #END PROGRAM
```

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```
break
if n==1:
  #CONSUMER BOOKING
   maintable()
  deco()
  CONSUMERSCREEN1()
   print("\n")
  print("> In order to return to main menu, kindly type 0 in the following field ::")
   print("\n")
  x=int(input("> To plan your itinerary, kindly enter the duration of your stay (in days) :"))
   print("\n")
  if x==0:
     continue
  y=int(input("> Enter number of travellers :"))
   print("\n")
  z=int(input("> Enter number of hotel rooms required :"))
   print("\n")
   deco()
   hotelsandflights()
   deco()
   print("\n")
   print("> In order to return to main menu, kindly type 0 in the following field ::")
   print("\n")
  a=int(input("> Enter 1 to convert into BHD / 2 to convert into USD :"))
   print("\n")
  if a==0:
     continue
  deco()
  conversion=convertor()
   r=conversion[0]
  currency=conversion[1]
   print("\n")
   print("> Total flight cost (for all travellers) is :",totalair*r,currency,"\n")
   print("> Total hotel cost (for all travellers) is :",totalhotel*r,currency,"\n")
   print("> Total cost of trip for all travellers is estimated at :",(totalair*r)+(totalhotel*r),currency)
  print("\n")
   deco()
   print("\n")
   print("> In order to return to main menu, kindly type 0 in the following field ::")
   print("\n")
   mob=int(input("> In order to book your trip, kindly enter your mobile number :"))
   print("\n")
  if mob==0:
     continue
  booking()
  continue
if n==2:
  #CANCELLATION
   print("\n")
  cancel=input("> In order to cancel your trip, kindly enter your booking ID :")
```

```
cancellation()
   deco()
   print("\n")
   print("> Your booking has been cancelled successfully","\n")
   print("> The refund shall be made directly to your account ","\n")
   print("> To convey any grievances regarding our services, kindly contact us at team2complaints@gmail.com")
   print("\n")
   print("> You may also contact us at 38726382/36478283")
   print("\n")
if n==3:
    #EMPLOYEE PROGRAM
    #PASSWORD = '1234'
    deco()
    i=0
    while True:
       passwd=input("ENTER PASSWORD : ")
       if passwd!="1234":
          print('Incorrect')
          k=int(input("Enter '1' to retry, enter '2' to return to main menu : "))
          if k==1:
            deco()
            continue
          if k==2:
            i=1
            break
       i=0
       break
    if j==1:
       continue
    #MENU FOR EMPLOYEES
    while True:
            deco()
            print("\n")
            exitvariable=0
            print("> Press '1' to add a new country <","\n")
            print("> Press '2' to add a new city <","\n")
            print("> Press '3' to add new tourist attractions <","\n")</pre>
            print("> Press '4' to modify a country description <","\n")
            print("> Press '5' to modify a city description <","\n")</pre>
            print("> Press '6' to edit conversion rate <","\n")</pre>
            print("> Press '7' to edit a flight multiplier <","\n")</pre>
           print("> Press '8' to edit a hotel multiplier","\n")
            print("> Press '9' to edit hotel/airline fares <","\n")</pre>
            print("> Press '10' to view all customer details <","\n")
            print("> Press '11' to view details of a single customer <","\n")
            print("> Press '12' if you wish to return to the main menu <","\n")
            print("\n")
            deco()
            choice=int(input("> Kindly enter your choice : "))
            deco()
```

```
print("\n")
```

if choice==1: insertcountry() elif choice==2: insertcity(0) elif choice==3: inserttourism(0) elif choice==4: updatecountrydesc() elif choice==5: updatecitydesc() elif choice==6: rateupdate() elif choice==7: editflightmult() elif choice==8: edithotelmult() elif choice==9: updatefares() elif choice==10: displaycustomers() elif choice==11: customersearch() elif choice==12: exitvariable=1 else: print("> Invalid choice, please try again ") if exitvariable==1: break continue



Consumer section

Python 3.8.5 Shell File Edit Shell Debug Options Window Help

Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:57:54) [MSC v.1924 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information.

WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.

ENTER 1 FOR BOOKING ENTER 2 FOR CANCELLATION

ENTER 3 IF YOU ARE AN EMPLOYEE

ENTER 0 IN ORDER TO EXIT

COUNTRY	CONTINENT
United Kingdom	Europe
Thailand	Asia
Germany	Europe
Mexico	North America
Turkey	Europe
France	Europe
China	Asia
Italy	Europe
Spain	Europe

Ln: 533 Col: 0

🗟 Pyti File Edit Shell Debug Options Window Help

ENTER 0 IN ORDER TO EXIT

COUNTRY CONTINENT United Kingdom Europe Thailand Asia Germany Europe Mexico North America Turkey Europe France Europe China Asia Italy Europe Spain Europe USA North America Russia Asia Portugal Europe Malaysia Asia Canada North America Netherlands Europe > Construction of country you are interested in 15pain > Construction of country you are interested in 15pain > Construction of country you are interested in 15pain Ln: 533 Col: 0

Python 3.8.5 Shell

Edit Shell Debug Options Window Help

> Kindly enter name of country you are interested in :Spain

Spain

=>> Spain, officially the Kingdom of Spain, is a country in Southwestern Europe with some pockets of territory across the Strait of Gibraltar and the Atlant ic Ocean.Spain is the largest country in Southern Europe. Splendid beaches, delicious cuisine, vibrant nightlife and lively fiestas all make Spain one of Eu ropes best getaways. Because Spain encompasses several autonomous regions and islands, the country boasts one of the most widely diverse cultures and landsc apes on the continent. It would be impossible to see all of Spains marvelous attractions during one vacation, so tourists are recommended to pick one region as a base and explore popular sites by day trips.

Cities you are recommended to visit during your stay in Spain include

<> Barcelona
-> Bathed in sunshine, the capital city of Catalunya is mesmerizing to navigate, thanks to its incredible architecture that spans the ages. Lying next to t
he sea, there are some great seafood restaurants to check out, as well as the citys lovely beaches with a range of water activities to enjoy.

<> Madrid

Advanta -> Lying at the heart of Spain, the capital is a dynamic place brimming with life and energy which is infectious to experience. Its incredible galleries and d museums are home to the best of Picasso, Dali, Goya, and more.If youre looking for some fun well into the early hours, Madrid has a thriving and lively ni ghtlife scene.

<> Seville

-> With its cavernous Gothic cathedral lying at the heart of a picturesque historic center, Seville perfectly mixes the old with the new. The capital of An dalusia has some fascinating palaces, churches and streets to explore, with the medieval Jewish quarter the area that most tourists gravitate towards. <> Valencia

Valencias vibrant cultural scene, hopping nightlife and fine beaches mean that theres something for everyone to enjoy.With lovely, leafy parks snaking t heir way along the old riverbed that cuts through its center, the old quarter is great to explore, and there are lots of interesting museums to visit and ma ny fine dining options available.

Granada -> With the enchanting Alhambra set amidst such gorgeous scenery, most visitors to Granada descend upon the city to explore the breathtaking palace fortres s. Its amazing gardens and lovely Islamic architecture is the undoubted highlight of what Granada has to offer. The city center itself is wonderful to get l ost in, as impressive churches and atmospheric bars are interspersed among fantastic Islamic architecture.

<> Bilb

Silbao -> Bilbaos iconic Guggenheim museum is probably what the city is best known for, although it certainly has much more to offer. Leafy parks and atmospheric plazas are surrounded by world-class restaurants and atmospheric eateries, showing off the best of Basque cuisine. The city has some picturesque hills overl ooking it, from which there are some stunning views of the buildings below.

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Python 3.8.5 Shell			- 0 X
	Options Window Help essive churches and atmo	spheric bars are inter	rspersed among fantastic Islamic architecture.
plazas are surro		staurants and atmosphe	ty is best known for, although it certainly has much more to offer. Leafy parks and atmospheric eric eateries, showing off the best of Basque cuisine. The city has some picturesque hills overl muldings below.
## Popular touri	ist attractions in Spain	include ##	
<> Alhambra,Gram >> Mezquita of (>> El Escorial,N >> Sagrada Famil >> Ibiza,Baleari >> Aqueduct of S	Cordoba Madrid Lia,Barcelona ic Sea		
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> Enter number o	of travellers :1		
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Enter class pres	ference (E/B) :B		
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> Total cost of trip for all travellers is estimated at : 3903.0 Euro	
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> Enter 1 to convert into BHD / 2 to convert into USD :2	
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> Total flight cost (for all travellers) is : 2484.720 USD	
> Total hotel cost (for all travellers) is : 2159.850 USD	
> Total cost of trip for all travellers is estimated at : 4644.570 USD	
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> In order to return to main menu, kindly type 0 in the following field ::	
> In order to book your trip, kindly enter your mobile number :65402591	
> Enter email address :james@yahoo.com	
> Enter method of payment [CREDIT CARD/DEBIT CARD] :Credit Card	
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>>WELCOME TO EZPAY SECURE PAYMENT GATEWAY<<			
> ENTER CARD NUMBER :673420912358			
> ENTER DATE OF EXPIRY [MM/YYYY] :04/2021			
> ENTER NAME OF CARDHOLDER :James			
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> Card Number : 673420912358			
> Expiry Date : 04/2021			
> Name of card holder : James			
> AMOUNT TO BE PAID : 4644.570 USD			
> Press Y to confirm payment :Y			
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TER DATE OF EXPIRY [MM/YYYY] :04/2021
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OUNT TO BE FAID : 4644.570 USD
ess Y to confirm payment :Y
NGRATULATIONS !!!! You have successfully completed the booking of your trip !!
ur booking ID is : 20021065
O NOT SHARE THE ABOVE BOOKING ID WITH ANYONE. KINDLY SAVE IT TO AVAIL OUR OTHER SERVICES*
ur booking confirmation shall be sent to your e-mail address within 24 hours
r more information/queries, kindly contact us at team2@gmail.com
u may also contact us at 38726382/36478283
THANK YOU FOR USING OUR SERVICES, WE LOOK FORWARD TO HELPING YOU PLAN YOUR DREAM VACATION ONCE AGAIN
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Cancellation

Python 3.8.5 Shell - 0	
Edit Shell Debug Options Window Help	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.	
ENTER 1 FOR BOOKING	
ENTER 2 FOR CANCELLATION	
ENTER 3 IF YOU ARE AN EMPLOYEE	
ENTER 0 IN ORDER TO EXIT	
Second Contraction Contractio	><
In order to cancel your trip, kindly enter your booking ID :20021065 >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	><
Your booking has been cancelled successfuly	
The refund shall be made directly to your account	
To convey any grievances regarding our services, kindly contact us at team2complaints@gmail.com	
You may also contact us at 30726302/36470203	
	><
WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.	
ENTER 1 FOR BOOKING	
ENTER 2 FOR CANCELLATION	
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Employee section

<pre>> You may also contact us at 38726382/36478283 > You may also contact us at 38726382/36478283 > ***WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.*** ENTER 1 FOR BOOKING ENTER 2 FOR CANCELLATION ENTER 3 IF YOU ARE AN EMPLOYEE ENTER 0 IN ORDER TO EXIT >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>	ة Python 3.8.5 Shell iile Edit Shell Debug Options Window Help	- 0
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ne tau snem Debug Opuons window help Press '4' to modify a country description <	
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Press '9' to edit hotel/airline fares <	
Press '10' to view all customer details <	
Press '11' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
> Sindly enter your choice : 1	
Enter name of country to be inserted :Poland	
Enter name of continent :Europe	
Enter description of country :Travelers seeking European panache without the crowds of stalwarts like Spain, France, Germany a ring to Poland, thanks to its illustrious history (including a rich Jewish heritage), collection of medieval castles, untouched ne (if you havent tried pierogis, you havent lived life).Oh, and its Central-Eastern Europes home to the most UNESCO World Herit one natural. The Polish Tourism Agency notes that 85 percent of visitors surveyed during their exit from the country would recom	i nature <mark>and</mark> delightful cuis age sites — 15 cultural <mark>and</mark>
> Enter conversion rate to INR :1.80 > Enter conversion rate to BHD :0.95	
Enter conversion rate to BHD :0.95 Enter conversion rate to USD :3.25	
	Ln: 533

Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
> Enter conversion rate to BHD :0.95
> Enter conversion rate to USD :3.25

> Enter number of cities to be added :3

> Enter name of city to be added :Warsaw

> Enter description of city :Warsaw is the capital and largest city of Poland. The metropolis stands on the Vistula River in east-central Poland. Warsaw is an alpha- global city, a major international tourist destination, and a significant cultural, political and economic hub. Its historical Old Town was design ated a UNESCO World Heritage Site.

> Enter name of city to be added :Gdańsk

> Enter description of city :Gdańsk is a city on the Baltic coast of northern Poland. It is the capital and largest city of the Pomeranian Voivodeship and o ne of the most prominent cities within the cultural and geographical region of Kashubia. It is Polands principal seaport and the centre of the countrys four th-largest metropolitan area. Gdańsk lies at the mouth of the Motława River, connected to the Leniwka, a branch in the delta of the nearby Vistula River, wh ich drains 60 percent of Poland and connects Gdańsk with the Polish capital, Warsaw. Together with the nearby port of Gdynia, Gdańsk is also a notable indus trial centre.

> Enter name of city to be added :Gdynia

> Enter description of city :Gdynia is a relatively modern city. Its architecture includes the 13th century St. Michael the Archangels Church in Oksywie, th e oldest building in Gdynia, and the 17th century neo-Gothic manor house located on Folwarczna Street in Orłowo. The city also holds many examples of early 20th-century architecture, especially monumentalism and early functionalism, and modernism. The climate is cool throughout the year and there is a somewhat uniform precipitation throughout the year. Typical of Northern Europe, there is little sunshine during the year.

> Enter number of tourist attractions to be added :3

Ln: 533 Col: (

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File Edit Shell Debug Options Window Help		
> Enter number of tourist attractions to be added :3		^
Enter name of tourist attraction to be added :Warsaw Royal Castle		
Enter name of tourist attraction to be added :Wawel Cathedral		l
Enter name of tourist attraction to be added :The Cloth Hall		
> Enter average airfare :600		
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> Press '4' to modify a country description <		
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> Press '6' to edit conversion rate <		~
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le Edit Shell Debug Options Window Help	
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Press '5' to modify a city description <	
Press '6' to edit conversion rate <	
Press '7' to edit a flight multiplier <	
Press '6' to edit a hotel multiplier	
Press '9' to edit hotel/airline fares <	- 1
Press '10' to view all customer details <	- 1
Press '11' to view details of a single customer <	
Press '12' if you wish to return to the main menu <	
oooooooooooooooooooooooooooooooooooooo	
Enter name of country :Poland	
Enter number of cities to be added :3	
Enter name of city to be added :Katowice	
Enter description of city :Katowice is a city in southern Poland, the capital city of the Silesian Region, and a center of the Upper Silesia and Dabrowa sin Metropolis. It has a temperate, ocean-moderated humid continental climate.	ιB
	~
Ln: 53	3 Col: 0

Sython 3.8.5 Shell	×
File Edit Shell Debug Options Window Help	
> Enter description of city :Katowice is a city in southern Poland, the capital city of the Silesian Region, and a center of the Upper Silesia and Dabrowa asin Metropolis. It has a temperate, ocean-moderated humid continental climate.	в
> Enter name of city to be added :Malbork	
> Enter description of city :Malbork is a town in northern Poland, within the historical region of Pomerelia. It lies on the Nogat River, the easternmost of stributary of the Vistula River delta. The town is noted for its medieval Malbork Castle, built in the 13th Century as the Orders headquarters, which was so the seat of the early modern Polinh province of Royal Prussia. Malbork is now a transportation centre located on major rail and highway routes. The lar Gothic fortress, a major tourist attraction, was named a UNESCO World Heritage site in 1997.	al
> Enter name of city to be added :Lublin	
> Enter description of city :Lublin is the largest Polish city east of the Vistula River and is about 170 km (106 mi) to the southeast of Warsaw by road. e frescos at the Holy Trinity Chapel in Lublin Castle are a mixture of Roman Catholic motifs with eastern Byzantine styles, reinforcing how the city conne s the west with the east. The premier museum in the city is the National Museum of Lublin, one of the oldest and largest museums of Eastern Poland, as wel as the Majdanek State Museum with 121,404 visitors in 2011.	ct
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	~
> Press '1' to add a new country <	
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> Press '3' to add new tourist attractions <	
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> Press '6' to edit conversion rate <	~

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Byphon 3.8.5 Shell	o ×
File Edit Shell Debug Options Window Help	
Enter name of tourist attraction to be added :Market Square	^
Enter name of tourist attraction to be added :Morskie Oko	
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> Fress '1' to add a new country <	
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Press '10' to view all customer details <	
> Press 'll' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	~~~~~
> Kindly enter your choice : 10	~><><><
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	Ln: 533 Col: 0

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File Edit Shell Debug Options Window Help

MOBILE	EMAIL	ID	NAME	STATUS
15234390	jacob@gmail.com	20021720	Jacob	CANCELLED
14572640	kevin@gmail.com	20021604	Kevin	CANCELLED
34528100	paul@gmail.com	20021564	Paul	ACTIVE
63190043	thomas@yahoo.com	20021178	Thomas	ACTIVE
84392015	angel@yahoo.com	20021110	Angel	ACTIVE
74210896	mathew@gmail.com	20021803	Mathew	ACTIVE
21564390	ahmed@gmail.com	20021368	Ahmed	CANCELLED
56328953	ethan@gmail.com	20021854	Ethan	CANCELLED
65402591	james@vahoo.com	20021065	James	CANCELLED

> Press '1' to add a new country <

> Press '2' to add a new city <

> Press '3' to add new tourist attractions <

> Press '4' to modify a country description <

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Ln: 533 Col: 0

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> Press '1	11' to view details of a single customer <			
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	ENTER 1 FOR BOOKING			
	ENTER 2 FOR CANCELLATION			
	ENTER 3 IF YOU ARE AN EMPLOYEE			
	ENTER 0 IN ORDER TO EXIT			

Ln: 723 Col: 52

Python 3.8.5 Shell		- 0
e Edit Shell Debug	Options Window Help	
		WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.
		ENTER 1 FOR BOOKING
		ENTER 2 FOR CANCELLATION
		ENTER 3 IF YOU ARE AN EMPLOYEE
		ENTER 0 IN ORDER TO EXIT
Kindly enter you	ur choice :1	00000000000000000000000000000000000000
COUNTRY	CONTINENT	
United Kingdom	Europe	
Thailand	Asia	
Courses	100	
Germany	Europe	
	Europe North America	
Mexico		
Mexico	North America	
Mexico Turkey France	North America Europe	
Mexico Turkey France China	North America Europe Europe	
Mexico Turkey France China Italy	North America Europe Europe Asia	
Mexico Turkey France China Italy Spain	North America Europe Europe Asia Europe	
Germany Mexico Turkey France China Italy Spain USA Russia	North America Europe Europe Asia Europe Europe	

Python 3.8.5 Shell		- 6	
File Edit Shell Debug	g Options Window Help		
Portugal	Europe		
Malaysia	Asia		
Canada	North America		
Netherlands	Europe		
Poland	Europe		
		1 are interested in :Poland 2000000000000000000000000000000000000	000
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ts illustrious l ogis, you haven	history (including t lived life).Oh, a	ache without the crowds of stalwarts like Spain, France, Germany and Italy are increasingly turning to Poland, thanks a rich Jewish heritage), collection of medieval castles, untouched nature and delightful cuisine (if you havent tried und its Central-Eastern Europes home to the most UNESCO World Heritage sites - 15 cultural and one natural. The Polish of visitors surveyed during their exit from the country would recommend and return to it.	pier
## Cities you a:	re recommended to t	visit during your stay in Poland include ##	

<> Warsaw -> Warsaw is the capital and largest city of Poland. The metropolis stands on the Vistula River in east-central Poland. Warsaw is an alpha- global city, a major international tourist destination, and a significant cultural, political and economic hub. Its historical Old Town was designated a UNESCO World Herit age Site.

Codańsk -> Gdańsk is a city on the Baltic coast of northern Poland. It is the capital and largest city of the Pomeranian Voivodeship and one of the most prominent cities within the cultural and geographical region of Kashubia. It is Polands principal seaport and the centre of the countrys fourth-largest metropolitan a rea. Gdańsk lies at the mouth of the Motława River, connected to the Leniwka, a branch in the delta of the nearby Vistula River, which drains 60 percent of Poland and connects Gdańsk with the Polish capital, Warsaw. Together with the nearby port of Gdynia, Gdańsk is also a notable industrial centre.

<> Gdynia -> Gdynia is a relatively modern city. Its architecture includes the 13th century St. Michael the Archangels Church in Oksywie, the oldest building in Gdyn ia, and the 17th century neo-Gothic manor house located on Folwarczna Street in Orlowo. The city also holds many examples of early 20th-century architecture , especially monumentalism and early functionalism, and modernism. The climate is cool throughout the year and there is a somewhat uniform precipitation thr oughout the year. Typical of Northern Europe, there is little sunshine during the year.

<> Katowice

Python 3.85 Shell
File Edit Shell Debug Options Window Help
Katowice Statowice is a city in southern Foland, the capital city of the Silesian Region, and a center of the Upper Silesia and Dabrowa Basin Metropolis. It has a temperate, ocean-moderated humid continental climate.
<> Malbork -> Malbork is a town in northern Poland, within the historical region of Pomerelia. It lies on the Nogat River, the easternmost distributary of the Vistula River delta. The town is noted for its medieval Malbork Castle, built in the 13th Century as the Orders headquarters, which was also the seat of the early m odern Polish province of Royal Prussia. Malbork is now a transportation centre located on major rail and highway routes. The large Gothic fortress, a major tourist attraction, was named a UNESCO World Heritage site in 1997.
<> Lublin -> Lublin is the largest Polish city east of the Vistula River and is about 170 km (106 mi) to the southeast of Warsaw by road. The frescos at the Holy Tri nity Chapel in Lublin Castle are a mixture of Roman Catholic motifs with eastern Byzantine styles, reinforcing how the city connects the west with the east. The premier museum in the city is the National Museum of Lublin, one of the oldest and largest museums of Eastern Poland, as well as the Majdanek State Muse um with 121,404 visitors in 2011.
Popular tourist attractions in Poland include
<pre><> Warsaw Royal Castle <> Wawel Cathedral <> The Cloth Hall <> St. Mary Basilica <> Market Square <> Morskie Oko</pre>
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
> In order to return to main menu, kindly type 0 in the following field ::
> To plan your itinerary, kindly enter the duration of your stay (in days) :20
> Enter number of travellers :2
> Enter number of hotel rooms required :1

Ln: 749 Col: 0

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Ln: 723 Col: 52

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Ln: 749 Col: 0

Bython 3.8.5 Shell - 0 ×	
File Edit Shell Debug Options Window Help	
> Total flight cost (for all travellers) is : 1560.0 Euro	^
> Total hotel cost (for all travellers) is : 2700.0 Euro	
> Total cost of trip for all travellers is estimated at : 4260.0 Euro	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> In order to return to main menu, kindly type 0 in the following field ::	
> Enter 1 to convert into BHD / 2 to convert into USD :2	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> Total flight cost (for all travellers) is : 5070.000 USD	Ì
> Total hotel cost (for all travellers) is : 8775.000 USD	T
> Total cost of trip for all travellers is estimated at : 13845.000 USD	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> In order to return to main menu, kindly type 0 in the following field ::	
> In order to book your trip, kindly enter your mobile number :54718079	
> Enter email address :martha@yahoo.com	
> Enter method of payment [CREDIT CARD/DEBIT CARD] :Debit Card	
	×
Ln: 749 Col	: 0

S Python 3.8.5 Shell - 0	×
File Edit Shell Debug Options Window Help	_
> Enter email address :martha@yahoo.com	
> Enter method of payment [CREDIT CARD/DEBIT CARD] :Debit Card	
	<
>>WELCOME TO EZPAY SECURE PAYMENT GATEWAY<<	
> ENTER CARD NUMBER :362769140855	
> ENTER DATE OF EXPIRY [MM/YYYY] :05/2021	
> ENTER NAME OF CARDHOLDER :Martha	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	<
> Card Number : 362769140855	
> Expiry Date : 05/2021	
> Name of card holder : Martha	
> AMOUNT TO BE PAID : 13845.000 USD	
> Press Y to confirm payment :Y	
	<
> CONGRATULATIONS !!!! You have successfully completed the booking of your trip !!	
> Your booking ID is : 20021340	
1.0.740	C 1

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File Edit Shell Debug Options Window Help

> CONGRATULATIONS !!!! You have successfully completed the booking of your trip !!

> Your booking ID is : 20021340

> *DO NOT SHARE THE ABOVE BOOKING ID WITH ANYONE. KINDLY SAVE IT TO AVAIL OUR OTHER SERVICES*

> Your booking confirmation shall be sent to your e-mail address within 24 hours

> For more information/queries, kindly contact us at team20gmail.com

> You may also contact us at 38726382/36478283

THANK YOU FOR USING OUR SERVICES, WE LOOK FORWARD TO HELPING YOU PLAN YOUR DREAM VACATION ONCE AGAIN

WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.

ENTER 1 FOR BOOKING

ENTER 2 FOR CANCELLATION

ENTER 3 IF YOU ARE AN EMPLOYEE

ENTER 0 IN ORDER TO EXIT

Ln: 749 Col: (

File Edit Shell Debug Options Window Help	
Socococococococococococococococococococ	>>>>>>>
> Press '1' to add a new country <	
> Fress '2' to add a new city <	
> Press '3' to add new tourist attractions <	
> Press '4' to modify a country description <	
> Press '5' to modify a city description <	
> Press '6' to edit conversion rate <	
> Press '7' to edit a flight multiplier <	
> Press '8' to edit a hotel multiplier	
> Press '9' to edit hotel/airline fares <	
> Press '10' to view all customer details <	
> Press '11' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> Enter name of country to be edited :Poland	~
	Ln: 749 Col: 0

Python 3.8.5 Shell	- 0 ×
File Edit Shell Debug Options Window Help	
>00000000000000000000000000000000000000	000000000000000000000000000000000000000
> Enter name of country to be edited :Poland	
o Poland, thanks to its illustrious history (including a ri	without the crowds of stalwarts like Spain, France, Germany and Italy are increasingly turning t ch Jewish heritage), collection of medieval castles, untouched nature and delightful cuisine (if ts Central-Eastern Europes home to the most UNESCO World Heritage sites - 15 cultural and one nat
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	000000000000000000000000000000000000000
> Press 'l' to add a new country <	
> Press '2' to add a new city <	
> Press '3' to add new tourist attractions <	
> Press '4' to modify a country description <	
> Press '5' to modify a city description <	
> Press '6' to edit conversion rate <	
> Press '7' to edit a flight multiplier <	
> Press '8' to edit a hotel multiplier	
> Press '9' to edit hotel/airline fares <	
> Press '10' to view all customer details <	
> Press '11' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
	Ln: 749 Col: (

Python 3.8.5 Shell	- 0 ×
File Edit Shell Debug Options Window Help	
> Press '10' to view all customer details <	
> Press '11' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> Enter name of city to be edited :Gdańsk	
> Enter new description :Gdańsk is a city on the Baltic coast of northern Poland. It is the capital and largest city of the Pomeranian Voivodeshi f the most prominent cities within the cultural and geographical region of Kashubia. It is Polands principal seaport and the centre of the countr argest metropolitan area.	
000000000000000000000000000000000000000	000000
> Press '1' to add a new country <	
> Press '2' to add a new city <	
> Press '3' to add new tourist attractions <	
> Press '4' to modify a country description <	
> Press '5' to modify a city description <	
> Press '6' to edit conversion rate <	
> Press '7' to edit a flight multiplier <	
> Press '8' to edit a hotel multiplier	
	Ln: 749 Col: 1

🕞 Python 3.8.5 Shell — 🗇	×
File Edit Shell Debug Options Window Help	
> Press '8' to edit a hotel multiplier	^
> Press '9' to edit hotel/airline fares <	
> Fress '10' to view all customer details <	
> Fress 'll' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
>0000000000000000000000000000000000000	
> Enter name of country whose conversion rates you would like to edit : Poland	
> Would you like to edit ratebhd (Y/N)Y	
> Enter new conversion rate : 0.87	
> Would you like to edit rateusd (Y/N)N > Would you like to edit rateinr (Y/N)Y	
> Enter new conversion rate : 1.50	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	¢
> Press '1' to add a new country <	
> Press '2' to add a new city <	
	C-1 C
Ln 749	201:0

Python 3.8	3.5 Shell		o x
	ell Debug Options Wi	ndow Help	
> Press '	1' to add a new o	country <	
> Press '	2' to add a new o	sity <	
> Press '	3' to add new tou	nrist attractions <	
> Press '	4' to modify a co	puntry description <	
> Press '	5' to modify a ci	ty description <	
> Press '	6' to edit conver	rsion rate <	
> Press '	7' to edit a flig	yht multiplier <	
> Press '	8' to edit a hote	el multiplier	
> Press '	9' to edit hotel,	/airline fares <	
> Press '	10' to view all o	sustomer details <	
> Press '	11' to view detai	lls of a single customer <	
> Press '	12' if you wish t	co return to the main menu <	
0000	00000000		000
	enter your choice	;;;7 >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>>
SLNO	FLIGHTNAME		
1	Emirates		
2	Lufthansa		
3	Qatar Airways		

Python 3.8.	5 Shell			-	٥	×
File Edit She	I Debug Options Wi	ndow Help				
2	Lufthansa					^
3	Qatar Airways					
4	Eva Air					
5	Air India					
> Enter th	ne name of the f	light whose m	ultiplier is to b	e edited :Eva Air		
SLNO	FLIGHTNAME	ECONMULT	BUSINESSMULT			
4	Eva Air	1.8	3			
SLNO	ew multiplier :	ECONMULT	BUSINESSMULT			
4	Eva Air	1.6	3			
> Press ': > Press ':	to add a new 2' to add a new to	country < city <		000000000000000000000000000000000000000	<><><>	<><
> Press '	4' to modify a c	ountry descri	ption <			
					Ln: 194	40 Col: 4

> Edit Sha				
; Luit She	ell Debug Options Wind	dow Help		_
Press '	4' to modify a cou	untry description <		
Press '	5' to modify a cit	ty description <		
Press '	6' to edit convers	sion rate <		
Press '	7' to edit a fligh	ht multiplier <		
Press '	8' to edit a hote	1 multiplier		
Press '	9' to edit hotel/a	airline fares <		
Press '	10' to view all cu	istomer details <		
Press '	11' to view detail	ls of a single customer <		
Press '	12' if you wish to	o return to the main menu <		
			>>>>>	><
Kindly ><><><>	enter your choice			
Kindly ><><><> SLNO	enter your choice <><><><><><><><><><><><><><><><><><><>	: 7		
Kindly ><><><> SLNO	enter your choice	: 7		
Kindly SLNO 1 2	enter your choice <><><><><><><><><><><><><><><><><><><>	: 7		
Kindly SLNO 1 2 3	enter your choice <><><><><><><><><><><><><><><><><><><>	: 7		
Kindly ><><><> SLNO 1 2 3 4	enter your choice FLIGHTNAME Emirates Lufthansa Qatar Airways Eva Air	: 7		
Kindly SLNO 1 2 3	enter your choice <><><><><><><><><><><><><><><><><><><>	: 7		
Kindly SLNO 1 2 3 4 5	enter your choice CONSTRUCTION FLIGHTNAME Emirates Lufthansa Qatar Airways Eva Air Air India	: 7		

훩 Python 3.8.	5 Shell				×
File Edit She	II Debug Options V	Vindow Help			_
> Enter th	he name of the	flight whose m	nultiplier is to b	e edited :Eva Air	^
SLNO	FLIGHTNAME	ECONMULT	BUSINESSMULT		
4	Eva Air	1.6	3		
	sure you wish s ltiplier do you		flight ? (Y/N) : N ? (E/B) :B		
> Enter ne	ew multiplier :	3.2			
SLNO	FLIGHTNAME	ECONMULT	BUSINESSMULT		
4	Eva Air	1.6	3.2		
><><><>	00000000	0000000	~~~~~~~~~	000000000000000000000000000000000000000	<
> Press '	l' to add a new	country <			
> Press '	2' to add a new	city <			
> Press ':	3' to add new to	ourist attract	cions <		
> Press '	4' to modify a	country descri	iption <		
> Press '!	5' to modify a	city descripti	ion <		
> Press '	δ' to edit conv	ersion rate <			
> Press '	7' to edit a fl	ight multiplie	er <		
> Press '	B' to edit a ho	tel multiplier	e .		- 1
> Press '	9' to edit hote.	l/airline fare	es <		
				Ln: 1940	Col: 4

🍃 Python 3.8.	5 Shell		- 0	×
File Edit She	I Debug Options	Window Help		
> Press '8	3' to edit a ho	otel multiplier		^
> Press '9	• to edit hot	el/airline fare		
> Press 'l	10' to view al.	l customer deta	ls <	
> Press '1	11' to view det	tails of a sing	e customer <	
> Press '1	12' if you wish	h to return to	he main menu <	
> Kindly e	enter your cho:	ice : 8	00000000000000000000000000000000000000	
SLNO	HOTELNAME			
1	Garden Inn			
2	Hyatt Place			
3	Courtyard			
4	Days Inn			10
5	Hampton			
> Enter th	he name of the	hotel whose mu	tiplier is to be edited :Courtyard	
SLNO	HOTELNAME	MULTIPLIER		
3	Courtyard	4.2		
> Are you	sure you wish	to edit this h	tel ? (Y/N) : Y	
				~
			Ln: 1940	Col: 4

Dython 3.8.	5 Shell			<
File Edit She	II Debug Options	Window Help		_
SLNO	HOTELNAME	MULTIPLIER		^
3	Courtyard	4.2		
> Are you	sure you wish	to edit this hotel ? (Y/N) : Y		
>Enter new	w multiplier :	1.0		
SLNO	HOTELNAME	MULTIPLIER		
3	Courtyard	4		
><><><>	0000000		~~~~	
> Deces 11	l' to add a new			
> Press '2	' to add a new	/ city <		
> Press '3	' to add new	courist attractions <		
> Press '4	' to modify a	country description <		
> Press '5	5' to modify a	city description <		
> Press '6	5' to edit con	Tersion rate <		
> Press '7	' to edit a f	.ight multiplier <		
> Press '8	' to edit a h	tel multiplier		
> Press '9)' to edit hot	el/airline fares <		
> Press '1	lO' to view al	customer details <		
> Press '1	11' to view de	ails of a single customer <		~
		n	:19 4 0 C	ol: 4

Python 3.8.5 Shell	
--------------------	--

File Edit Shell Debug Options Window Help	
> Press 'll' to view details of a single customer <	-
> Press '12' if you wish to return to the main menu <	
>0000000000000000000000000000000000000	
> Enter name of country where base hotel/airfares are to be edited :Poland	
> Enter new hotel fare :550	
> Enter new air fare :7	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	ş
> Press '1' to add a new country <	
> Press '2' to add a new city <	
> Press '3' to add new tourist attractions <	
> Press '4' to modify a country description <	
> Press '5' to modify a city description <	
> Press '6' to edit conversion rate <	
> Press '7' to edit a flight multiplier <	
> Press '8' to edit a hotel multiplier	

Ln: 1940 Col: 4

Bython 38.5 Shell	×
File Edit Shell Debug Options Window Help	
> Press '8' to edit a hotel multiplier	^
> Press '9' to edit hotel/airline fares <	
> Press '10' to view all customer details <	
> Press '11' to view details of a single customer <	
> Press '12' if you wish to return to the main menu <	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
> Enter name of country where base hotel/airfares are to be edited :Poland	
> Enter new hotel fare :60	
> Enter new air fare :550	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	ł
> Press '1' to add a new country <	1
> Press '2' to add a new city <	
> Press '3' to add new tourist attractions <	
> Press '4' to modify a country description <	
> Press '5' to modify a city description <	
> Press '6' to edit conversion rate <	~
Ln: 1940 Go	.ol: 4

ython 3.8.5 Shell -	- 0	×
Edit Shell Debug Options Window Help		
ress '3' to add new tourist attractions <		1
ress '4' to modify a country description <		
ress '5' to modify a city description <		
ress '6' to edit conversion rate <		
ress '7' to edit a flight multiplier <		
ress '8' to edit a hotel multiplier		
ress '9' to edit hotel/airline fares <		
ress '10' to view all customer details <		
ress 'll' to view details of a single customer <		
ress '12' if you wish to return to the main menu <		
	00000	
indly enter your choice : 12	~><><><>	
000000000000000000000000000000000000000	~~~~~~	
WELCOME TO TEAM 2 TRAVEL AND TOURISM INC.		
ENTER 1 FOR BOOKING		
ENTER 2 FOR CANCELLATION		
ENTER 3 IF YOU ARE AN EMPLOYEE		
ENTER 0 IN ORDER TO EXIT		
00000000000000000000000000000000000000	00000	
	Ln: 1940	

Changes made

The following screenshots demonstrate that the employee section successfully makes the required changes to the stored information.

		ENTER 3 IF YOU ARE AN EMPLOYEE
		ENTER 0 IN ORDER TO EXIT
Kindly enter you	ur choice :1	
COUNTRY	CONTINENT	
United Kingdom	Europe	
Thailand	Asia	
Germany	Europe	
Mexico	North America	
Turkey	Europe	
France	Europe	
China	Asia	
Italy	Europe	
Spain	Europe	
USA	North America	
Russia	Asia	
Portugal	Europe	
Malaysia	Asia	
Canada	North America	
Netherlands	Europe	

Python 3.8.5 Shell		
File Edit Shell Debug	g Options Window	p
Netherlands	Europe	
Poland	Europe	
> Kindly enter m	name of country	occossossossossossossossossossossossosso
		Poland
ts illustrious h	history (includ	anache without the crowds of stalwarts like Spain, France, Germany and Italy are increasingly turning to Poland, thanks to i g a rich Jewish heritage), collection of medieval castles, untouched nature and delightful cuisine (if you havent tried pier and its Central-Eastern Europes home to the most UNESCO World Heritage sites — 15 cultural and one natural.
## Cities you an	re recommended	visit during your stay in Poland include ##
		rgest city of Poland. The metropolis stands on the Vistula River in east-central Poland. Warsaw is an alpha- global city, a ination, and a significant cultural, political and economic hub. Its historical Old Town was designated a UNESCO World Herit
		ic coast of northern Poland. It is the capital and largest city of the Pomeranian Voivodeship and one of the most prominent acgraphical region of Kashubia. It is Polands principal seaport and the centre of the countrys fourth-largest metropolitan a
ia, and the 17th , especially mon	h century neo-G numentalism and	n city. Its architecture includes the 13th century St. Michael the Archangels Church in Oksywie, the oldest building in Gdyn nic manor house located on Folwarczna Street in Orlowo. The city also holds many examples of early 20th-century architecture arly functionalism, and modernism. The climate is cool throughout the year and there is a somewhat uniform precipitation thr there Surger, there is little sumbling during the year.

<> Katowice -> Katowice is a city in southern Poland, the capital city of the Silesian Region, and a center of the Upper Silesia and Dabrowa Basin Metropolis. It has a temperate, ocean-moderated humid continental climate.

<> Malbork
-> Malbork
is a town in northern Foland, within the historical region of Pomerelia. It lies on the Nogat River, the easternmost distributary of the Vistula
River delta. The town is noted for its medieval Malbork Castle, built in the 13th Century as the Orders headquarters, which was also the seat of the early m
odern Folish province of Royal Prussia. Malbork is now a transportation centre located on major rail and highway routes. The large Gothic fortress, a major
tourist attraction, was named a UNESCO World Heritage site in 1997.

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File Edit Shell Debug Options Window Help

, especially monumentalism and early functionalism, and modernism. The climate is cool throughout the year and there is a somewhat uniform precipitation thr oughout the year. Typical of Northern Europe, there is little sunshine during the year.

<> Katowice

-> Katowice is a city in southern Poland, the capital city of the Silesian Region, and a center of the Upper Silesia and Dabrowa Basin Metropolis. It has a temperate, ocean-moderated humid continental climate.

<> Malbork

C hallour -> Malbork is a town in northern Poland, within the historical region of Pomerelia. It lies on the Nogat River, the easternmost distributary of the Vistula River delta. The town is noted for its medieval Malbork Castle, built in the 13th Century as the Orders headquarters, which was also the seat of the early m odern Polish province of Royal Prussia. Malbork is now a transportation centre located on major rail and highway routes. The large Gothic fortress, a major tourist attraction, was named a UNESCO World Heritage site in 1997.

Lublin -> Lublin is the largest Polish city east of the Vistula River and is about 170 km (106 mi) to the southeast of Warsaw by road. The freescos at the Holy Tri nity Chapel in Lublin Castle are a mixture of Roman Catholic motifs with eastern Byzantine styles, reinforcing how the city connects the west with the east. The premier museum in the city is the National Museum of Lublin, one of the oldest and largest museums of Eastern Poland, as well as the Majdanek State Muse um with 121,404 visitors in 2011.

Popular tourist attractions in Poland include

<> Warsaw Royal Castle
<> Wawel Cathedral
<> The Cloth Hall
<> St. Mary Basilica
<> Market Square
<> Warket Square

<> Morskie Oko

> In order to return to main menu, kindly type 0 in the following field ::

> To plan your itinerary, kindly enter the duration of your stay (in days) :10

> Enter number of travellers :1

> Enter number of hotel rooms required :1

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File Edit Shell Debu			
	ug Options Window Help		
> Enter number	of hotel rooms requi	red :1	
0000000	~~~~~~~~~	000000000000000000000000000000000000000	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
SL.NO	HOTEL	CITY	PRICE/NIGHT
***************	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++
> 1	Garden Inn	Warsaw	420.0 Euro
> 2	Hyatt Place	Gdańsk	165.0 Euro
> 3	Courtyard	Gdynia	300.0 Euro
> 4	Days Inn	Katowice	135.0 Euro
> 5	Hampton	Malbork	255.0 Euro
• Enter serial	number of the hotel	of your choice :2	
~~~~~~	~~~~~~		
SL.NO	ATRLINE	ECONOMY CLASS	BUSINESS CLASS
		+++++++++++++++++++++++++++++++++++++++	
> 1	Emirates	1380.0 Euro	3000.0 Euro
> 2	Lufthansa	780.0 Euro	1440.0 Euro
> 3	Qatar Airways	1200.0 Euro	2580.0 Euro
> 4	Eva Air	1920.0 Euro	1800.0 Euro
> 5	Air India	660.0 Euro	1380.0 Euro
0000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
Enter serial nu	umber of the airline	of your choice :2	
Enter class pr	eference (E/B) :E		
Encer crass pr			>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	000000000000000000000000000000000000000	000000000000000000000000000000000000000	
~~~~~~~		<pre>&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;&gt;&lt;</pre>	
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	cost (for all travel		

Python 3.8.5 Shell		
File Edit Shell Debug Options Window Help		
> Total hotel cost (for all travellers) is : 1650.0 Euro		-
> Total cost of trip for all travellers is estimated at : 2430.0 Euro		
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	000000000000	
> In order to return to main menu, kindly type 0 in the following field ::		
> Enter 1 to convert into BHD / 2 to convert into USD :2		
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	00000000000	
> Total flight cost (for all travellers) is : 2535.000 USD		
> Total hotel cost (for all travellers) is : 5362.500 USD		
> Total cost of trip for all travellers is estimated at : 7897.500 USD		
	000000000000000000000000000000000000000	
> In order to return to main menu, kindly type 0 in the following field ::		
> In order to book your trip, kindly enter your mobile number :64901328		
> Enter email address :alfred@gmail.com		l
> Enter method of payment [CREDIT CARD/DEBIT CARD] :Debit Card		
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	000000000000000000000000000000000000000	
		Y
	Ln: 1940 Co	: 4

Digital Python 3.8.5 Shell File Edit Shell Debug Options Window Help >>WELCOME TO EZPAY SECURE PAYMENT GATEWAY<< > ENTER CARD NUMBER :184302370966 > ENTER DATE OF EXPIRY [MM/YYYY] :02/2021 > ENTER NAME OF CARDHOLDER :Alfred > Card Number : 184302370966 > Expiry Date : 02/2021 > Name of card holder : Alfred > AMOUNT TO BE PAID : 7897.500 USD > Press Y to confirm payment :Y > CONGRATULATIONS !!!! You have successfully completed the booking of your trip !! > Your booking ID is : 20021561 > *DO NOT SHARE THE ABOVE BOOKING ID WITH ANYONE. KINDLY SAVE IT TO AVAIL OUR OTHER SERVICES* > Your booking confirmation shall be sent to your e-mail address within 24 hours > For more information/queries, kindly contact us at team2@gmail.com > You may also contact us at 38726382/36478283 Ln: 1940 Col: 4

ACKNOWLEDGEMENT

I would like to express my gratitude towards my computer science teacher Mr. Pius Mathew for guiding me immensely throughout the course of this project. His mentorship and advice has been largely responsible for the successful completion of this project.

I would also like to thank my teammates for their contributions during this project.



This project demonstrates the remarkable ability of python to handle large amounts of data efficiently, and with ease for both the programmer, and the consumer. A python connection with MySQL can be used to handle extensive databases for a variety of purposes such as travel and tourism as has been shown here.