**COMPUTER SCIENCE PROJECT**

**BY**

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**INDEX**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **TOPIC** | **PAGE No.** | **DATE** |
| 1. | Acknowledgement | 3 | 1/11/2020 |
| 2. | Introduction | 4 | 1/11/2020 |
| 3. | Application | 5 | 1/11/2020 |
| 4. | Certificate | 6 | 2/11/2020 |
| 5. | Hardware and software requirements | 7 | 2/11/2020 |
| 6. | Python as Front End | 8 | 2/11/2020 |
| 7. | Database as Back End | 9 | 3/11/2020 |
| 8. | E.R. Diagram | 10 | 3/11/2020 |
| 9. | Flowchart | 11 | 6/11/2020 |
| 10. | Python Modules and in-built functions | 12 | 7/11/2020 |
| 11. | UDF and Glossary | 13 | 7/11/2020 |
| 12. | Source Code |  | 7/11/2020 |
| 13. | Output Screenshots |  | 8/11/2020 |
| 14. | Bibliography |  | 8/11/2020 |

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I place my sincere thanks to my Computer Science teacher Mrs. Bhawna Sachdeva for her guidance and advices to complete my work successfully. I also thank our principal Sr. Mallika who gave me the golden opportunity to do this wonderful project on the topic Airport Management System which also helped me in doing a lot of Research and I came to know about so many new things.

I also take this opportunity to express my deep gratitude to Almighty for the countless blessings showered on me while doing the work and to complete it within the limited time frame.  
Last but not the least I thank my parents for their encouragement and support in my humble venture.

**INTRODUCTION**

It is a term project entitled ‘AIRPORT MANAGEMENT SYSTEM’. This project is useful for the airport department as well as the passengers to keep a track of account details. The main objective of the project is to manage the details of flights, passengers, reservation of flights, date, fare. The project is totally built at the administrative end and thus only the administrator is guaranteed the access.

This project also provides convenience to the client by easily booking and cancelling the seats as per the requirement. The purpose of the project is to build an application program to reduce the manual work for management of data. In this, the concept of connectivity of python with RDBMS (here it is MySQL) is used.

**APPLICATION**

The ‘AIRPORT MANAGEMENT SYSTEM’ project is an attempt to stimulate the basic concepts of the airport managing department. The system enables the passengers to do things such as search for airline flights for two travel cities on a specified date, choose a flight based on the details, reservation of flight as well as cancellation of reservation. This project could be used commercially for booking flights, be it domestic or international. It is 80-85% commercially viable.

The project has been planned to be having the view of distributed architecture, with centralised storage of database. It takes care of different modules and their associated reports which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.

**CERTIFICATE**

This is to certify that I, KONICAA SHARMA, of class XII-D, has successfully completed the project work of Computer Science for class XII practical examination of the Central Board of Secondary Education in the year 2020-21. It is further certified that this project is the group work of the candidate.

Signature:

Date :10/12/2020

**HARDWARE AND SOFTWARE EQUIPMENTS**

Hardware equipments used are monitor, keyboard ,mouse, CPU, Wi-fi.

Software used are Python IDLE,MySQL.

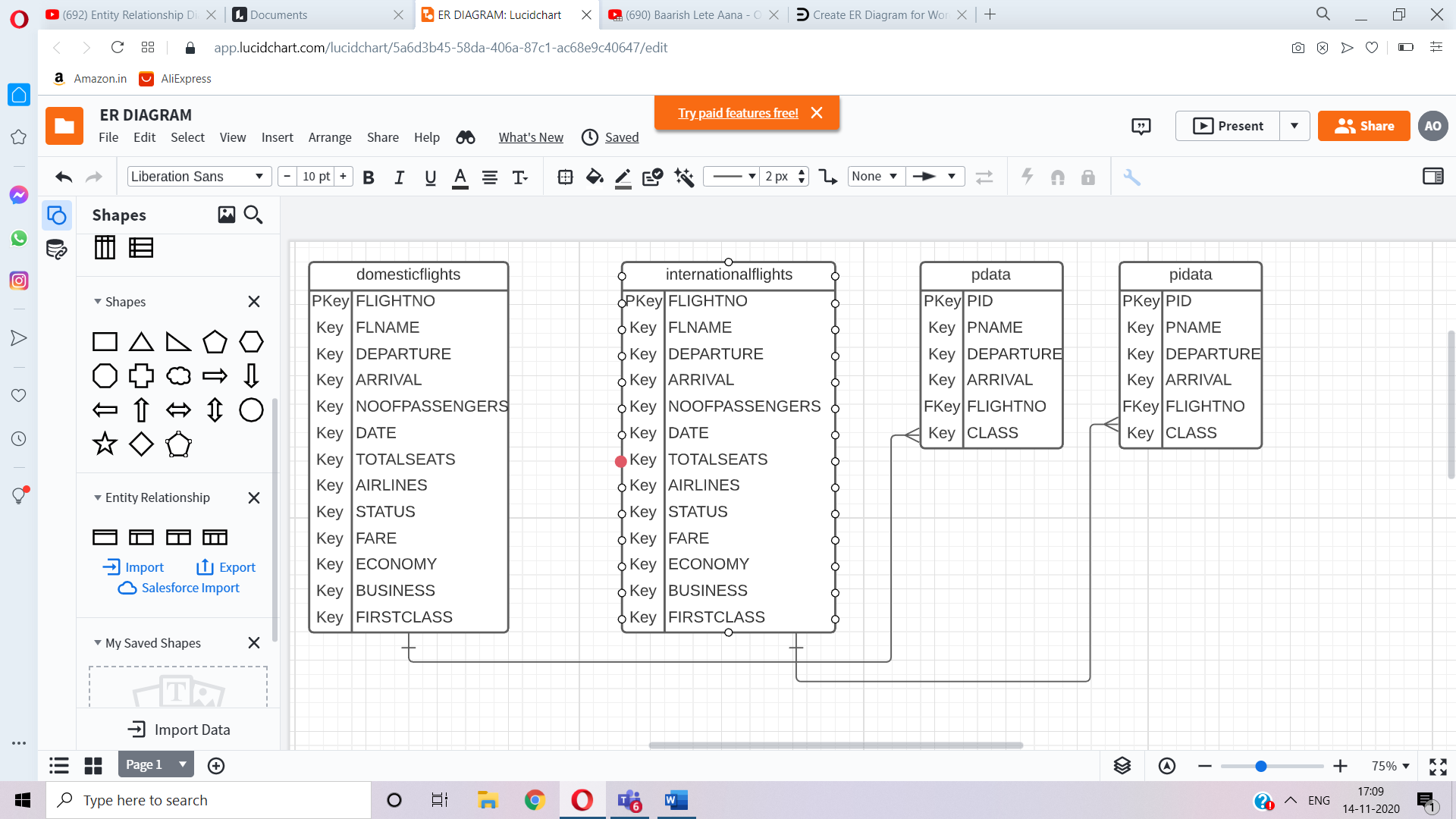
**PYTHON AS FRONT END**

Usually, the data inputted by the user along with the generated output is displayed but not stored because all program execution takes place inside the ram which is a temporary memory. Thus, when application executed for the second time, it requires new set of inputs from the user, this limitation can be overcome by sending the output generated and saving the input fetched from the user in database created at the backend of the application. This is termed as Front End Interface of the application. Here python is used as a front end where all the data for creating database is taken.

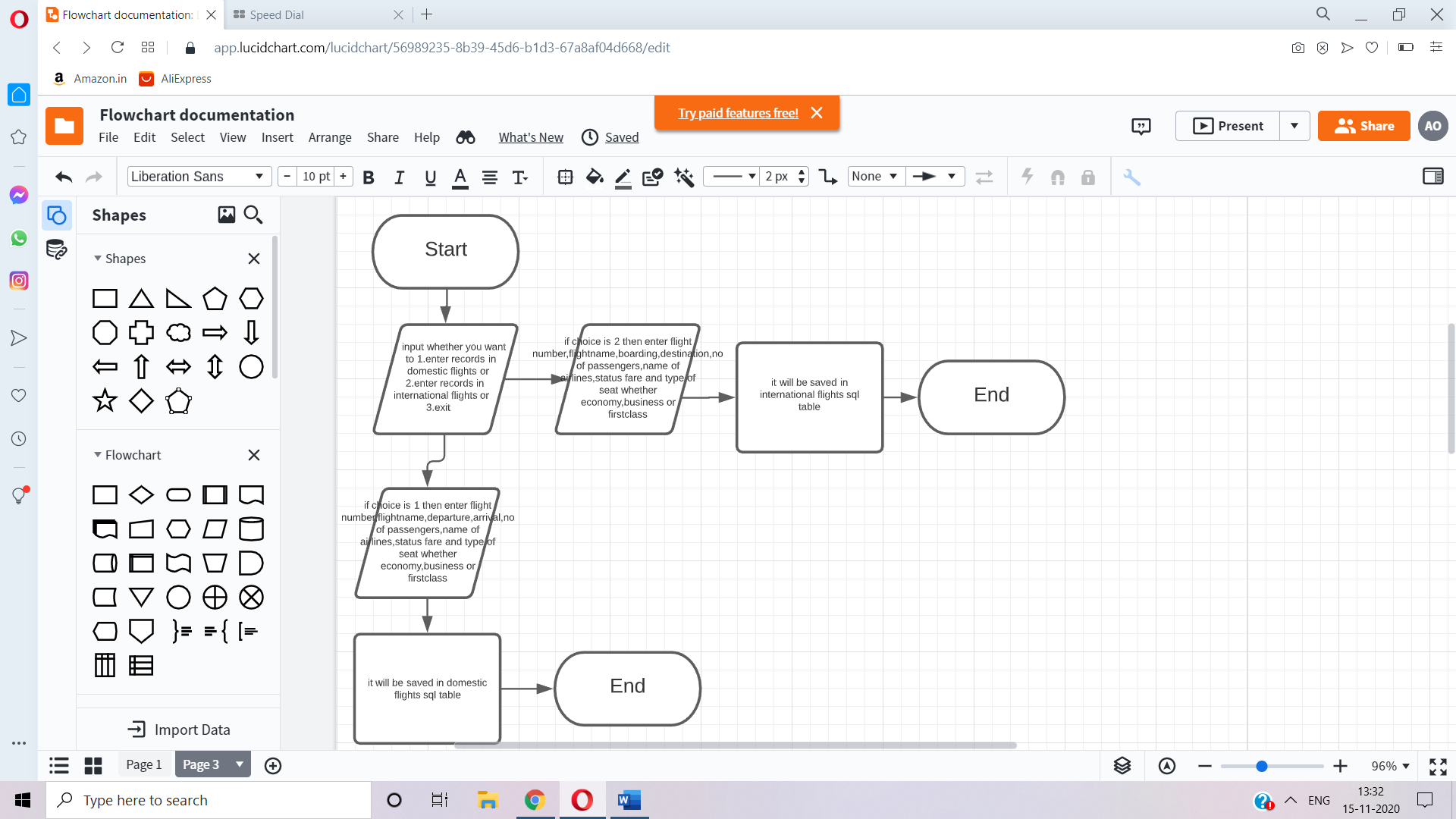
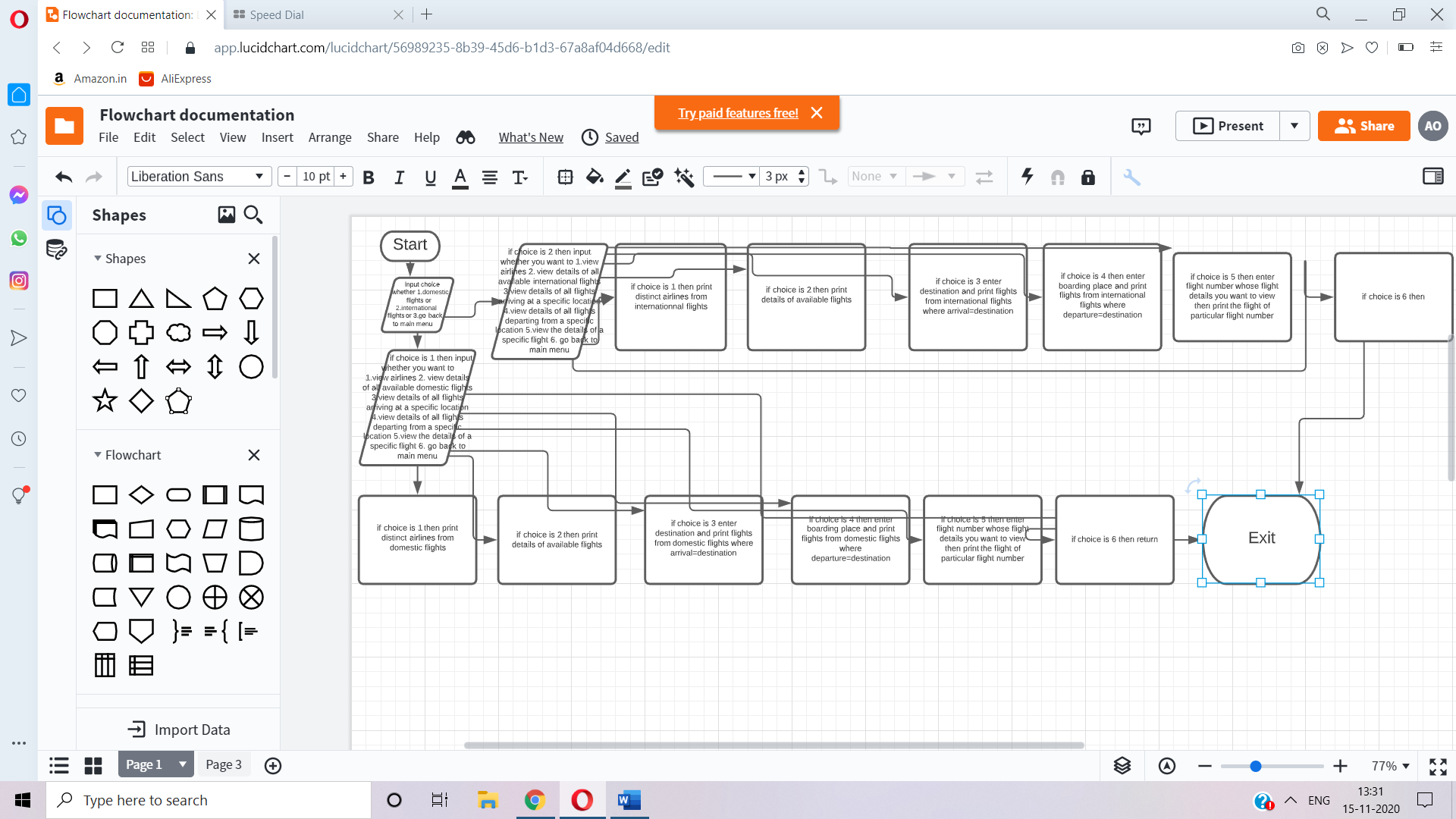
**MYSQL AS BACK END**

While working with an application ,it required to save data permanently on some secondary storage device ,which is usually the hard disk ,so that stored data could be used for future reference ,modification , deletion , retrieval .An application usually stores a lot of data in the form of database which is directly accessible to the user .This database is used by the application to give suitable response to the user .This database is called Back End Database. Here My SQL is used as back end where all the data taken from front end is stored.

**E.R. DIAGRAM**



**FLOWCHART**



**PYTHON MODULES AND BUILT-IN FUNCTIONS**

**MODULES:**

Mysql.connector module

**BUILT-IN FUNCTIONS:**

1.connect()

2.execute()

3.commit()

4.fetchone()

5.fetchall()

**UDF’s AND GLOSSARY**

**UDF’s**

1.flight\_details ()

2.add()

3.booking ()

1. pdata()
2. pidata()

4.p\_details()

5.cancel()

1. cancel\_Dticket()
2. cancel\_Iticket()

**GLOSSARY**

1. flight\_details-details of flight
2. ch-choice
3. des-destination
4. f-flight number
5. ftype-choice to be entered by the user
6. flightno-flight number
7. flname-flight name
8. noofpassengers-number of passengers
9. pname-passenger’s name
10. pid-passenger’s id
11. s-fare of flight
12. CLAS-class of flight(economy,business,first)
13. cancel\_Dticket-cancellation of domestic flights
14. cancel\_Iticket- cancellation of international flights
15. no-flight number
16. ch-choice

**SOURCE CODE**

#AIRPORT MANAGEMENT SYSTEM

#FLIGHT DETAILS

import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",passwd="admin",database="airlines")

mycursor=mydb.cursor()

def flight\_details():

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* FLIGHT DETAILS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

while True:

print("1.Domestic Flights")

print("2.International Flights")

print("3.Go back to the Main Menu")

choice=int(input("Enter flight type whose details you want to view(1/2)="))

print("======================================================")

if choice==1:

while True:

print("1.View Airlines")

print("2.View the details of all available Domestic Flights")

print("3.View the details of Flights arriving at a specific location")

print("4.View the details of Flights departing from a specific location")

print("5.View the details of a specific flight")

print("6.Go Back to the main menu")

ch=int(input("Enter your choice="))

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

if ch==1:

mycursor.execute("select distinct(airlines) from domesticflights")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==2:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

mycursor.execute("select \* from domesticflights")

for x in mycursor:

print(x,'\t')

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==3:

des=input("Enter your destination:")

try:

sql="SELECT \* FROM domesticflights WHERE ARRIVAL like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No flight with this location is available at the moment.Contact Head Office for more information.")

else:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==4:

des=input("Enter the place of departure:")

try:

sql="SELECT \* FROM domesticflights WHERE DEPARTURE like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No flight with this location is available at the moment.Contact Head Office for more information.")

else:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==5:

f=int(input("Enter the flight number whose details you want to view:"))

try:

sql="SELECT \* FROM domesticflights WHERE FLIGHTNO like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchone()

mydb.commit()

if data==None:

print("The given flight number does not exist")

else:

print('FLIGHT\_NO','FLIGHT\_NAME','DEPARTURE','ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

print(data)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==6:

return

elif choice==2:

while True:

print("1.View Airlines")

print("2.View the details of all available International Flights")

print("3.View the details of Flights arriving at a specific location")

print("4.View the details of Flights departing from a specific location")

print("5.View the details of a specific flight")

print("6.Go Back to the main menu")

c=int(input("Enter your choice(1-4)="))

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

if c==1:

mycursor.execute("select distinct(airlines) from internationalflights")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==2:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

mycursor.execute("select \* from internationalflights")

for x in mycursor:

print(x,'\t')

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==3:

des=input("Enter your destination:")

try:

sql="SELECT \* FROM internationalflights WHERE ARRIVAL like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No flight with this location is available at the moment.Contact Head Office for more information.")

else:

print('FLIGHT\_NO','FLIGHT\_NAME','DEPARTURE','ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==4:

des=input("Enter boarding place:")

try:

sql="SELECT \* FROM internationalflights WHERE departure like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No flight with this location is available at the moment.Contact Head Office for more information.")

else:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==5:

f=int(input("Enter the flight number whose details you want to view:"))

try:

sql="SELECT \* FROM internationalflights WHERE FLIGHTNO like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==None:

print("The given flight number does not exist")

else:

print('FLIGHT\_NO','FLIGHT\_NAME',' DEPARTURE',' ARRIVAL','SEATS\_FILLED','DATE','\t','TOTALSEATS','AIRLINES','\t','STATUS','\t','FARE')

print(data)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==6:

return

elif choice==3:

return

def add():

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADDING RECORDS IN THE FLIGHT CHART\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

while True:

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

print("Where do you want to enter the records?")

print("1.Enter records in DomesticFlights")

print("2.Enter records in InternationalFlights")

print("3.EXIT")

ftype=int(input("Enter your choice="))

print("======================================================")

if ftype==1:

try:

mydb=mysql.connector.connect(host="localhost",user="root",password="admin",database="airlines")

mycursor=mydb.cursor()

while True:

flightno=int(input("Enter flight number="))

flname=input("Enter flight name=")

departure=input("Enter departure city=")

arrival=input("Enter arrival city=")

noofpassengers=0

totalseats=300

airlines=input("Enter name of the airlines=")

status=input("Enter flight status=")

fare=int(input("Enter flight fare="))

economy=0;business=0;firstclass=0

sql="insert into domesticflights(flightno,flname,departure,arrival,noofpassengers,totalseats,airlines,status,fare,economy,business,firstclass)values({},'{}','{}','{}',{},{},'{}','{}',{},{},{},{})".format(flightno,flname,departure,arrival,noofpassengers,totalseats,airlines,status,fare,economy,business,firstclass)

mycursor.execute(sql)

ans=input(" Do you want to enter more(y/n)?")

if ans in 'Nn':

break

mydb.commit()

except Exception as e:

print(e)

elif ftype==2:

try:

mydb=mysql.connector.connect(host="localhost",user="root",password="admin",database="airlines")

mycursor=mydb.cursor()

while True:

flightno=int(input("Enter flight number="))

flname=input("Enter flight name=")

departure=input("Enter boarding country=")

arrival=input("Enter destination=")

noofpassengers=0

totalseats=300

airlines=input("Enter name of the airlines=")

status=input("Enter flight status=")

fare=int(input("Enter flight fare="))

economy=0;business=0;firstclass=0

sql="insert into internationalflights(flightno,flname,departure,arrival,noofpassengers,totalseats,airlines,status,fare,economy,business,firstclass)values({},'{}','{}','{}',{},{},'{}','{}',{},{},{},{})".format(flightno,flname,departure,arrival,noofpassengers,totalseats,airlines,status,fare,economy,business,firstclass)

mycursor.execute(sql)

ans=input("You want to enter more(y/n)?")

if ans in 'nN':

break

mydb.commit()

except Exception as e:

print(e)

elif ftype==3:

print("TERMINATING")

return

else:

print("WRONG CHOICE")

def booking():

def pdata():

print("==============================================================================")

try:

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

pname=input("Enter your name:")

arrival=input("Enter your Destination:")

sql="SELECT \* FROM domesticflights WHERE arrival like '{}'".format(arrival)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("SORRY!!!..NO FLIGHT AVAILABLE FOR",arrival,". CONTACT HEAD OFFICE")

else:

print("==============================================================================")

print("The available flights are:")

sql="SELECT FLIGHTNO,FLNAME,DEPARTURE FROM DOMESTICFLIGHTS WHERE ARRIVAL='{}'".format(arrival)

print()

print("FLIGHT\_NO,FLIGHT\_NAME,DEPARTURE")

mycursor.execute(sql)

for i in mycursor:

print(i)

a=int(input("Do you want to confirm the booking ? Enter 1 for yes:"))

if a==1:

print()

flightno=int(input("Enter flight number="))

print()

data="SELECT \* FROM DOMESTICFLIGHTS WHERE flightno={}".format(flightno)

mycursor.execute(data)

b=mycursor.fetchall()

for i in b:

if i[4]>=i[6]:

print("SORRY!!! SEATS FOR THIS FLIGHT ARE ALREADY BOOKED.LOOK FOR SOME ANOTHER FLIGHT.")

break

else:

pid=int(input("Enter passenger id:"))

departure=input("Enter boarding place=")

print ("please choose a class type\n")

s=0

print ("FOLLOWING ROOMS ARE AVAILABLE:-")

print ("1. type First class---->rs 8000 PN\-")

print ("2. type Business class---->rs 6000 PN\-")

print ("3. type Economy class---->rs 4000 PN\-")

flag=0

while flag!=1:

x=int(input("Enter Your Choice:"))

if(x==1):

if i[12]<60:

print ("you have opted First class")

s=8000

sql="update domesticflights set firstclass=firstclass+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF FIRST CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

elif(x==2):

if i[11]<120:

print ("you have opted Business class")

s=6000

sql="update domesticflights set business=business+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF BUSINESS CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

elif(x==3):

s=0

if i[10]<120:

print ("you have opted Economy class")

s=4000

sql="update domesticflights set economy=economy+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF ECONOMY CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

print ("AMOUNT PAYABLE =",s,"\n")

CLAS=input("Enter class=")

sql="INSERT INTO pdata(pid,pname,departure,arrival,flightno,class)values({},'{}','{}','{}',{},'{}')".format(pid,pname,departure,arrival,flightno,CLAS)

mycursor.execute(sql)

mydb.commit()

print("Your PassengerId is:",pid)

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TICKET RESERVATION SUCCESSFULLY COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

sql1="UPDATE DOMESTICFLIGHTS SET NOOFPASSENGERS=NOOFPASSENGERS+1 WHERE FLIGHTNO={}".format(flightno)

mycursor.execute(sql1)

mydb.commit()

except Exception as e:

print(e)

def pidata():

print("==============================================================================")

try:

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

pname=input("Enter your name:")

arrival=input("Enter your Destination:")

sql="SELECT \* FROM internationalflights WHERE arrival like '{}'".format(arrival)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("SORRY!!!..NO FLIGHT AVAILABLE FOR",arrival,". CONTACT HEAD OFFICE")

else:

print("==============================================================================")

print("The available flights are:")

sql="SELECT FLIGHTNO,FLNAME,DEPARTURE FROM INTERNATIONALFLIGHTS WHERE ARRIVAL='{}'".format(arrival)

print()

print("FLIGHT\_NO,FLIGHT\_NAME,DEPARTURE")

mycursor.execute(sql)

for i in mycursor:

print(i)

print("==============================================================================")

a=int(input("Do you want to confirm the booking.Enter 1 for yes:"))

if a==1:

print()

pid=int(input("Enter passenger id:"))

flightno=int(input("Enter flight number="))

departure=input("Enter boarding country=")

arrival=input("Enter destination=")

print()

data="SELECT \* FROM INTERNATIONALFLIGHTS WHERE flightno={}".format(flightno)

mycursor.execute(data)

b=mycursor.fetchall()

for i in b:

if i[4]>=i[6]:

print("SORRY!!! SEATS FOR THIS FLIGHT ARE ALREADY BOOKED.LOOK FOR SOME ANOTHER FLIGHT.")

break

else:

print ("please choose a class type\n")

s=0

print ("FOLLOWING ROOMS ARE AVAILABLE:-")

print ("1. type First class---->rs 8000 PN\-")

print ("2. type Business class---->rs 6000 PN\-")

print ("3. type Economy class---->rs 4000 PN\-")

flag=0

while flag!=1:

x=int(input("Enter Your Choice:"))

if(x==1):

if i[12]<60:

print ("you have opted First class")

s=8000

sql="update internationalflights set firstclass=firstclass+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF FIRST CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

elif(x==2):

if i[11]<120:

print ("you have opted Business class")

s=6000

sql="update internationalflights set business=business+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF BUSINESS CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

elif(x==3):

s=0

if i[10]<120:

print ("you have opted Economy class")

s=4000

sql="update internationalflights set economy=economy+1 where flightno={}".format(flightno)

mycursor.execute(sql)

flag=1

else:

print("SEATS OF ECONOMY CLASS ARE ALREADY FILLED!!!.LOOK FOR SOME ANOTHER SEAT")

flag=0

print ("AMOUNT PAYABLE =",s,"\n")

CLAS=input("Enter class=")

sql="INSERT INTO pIdata(pid,pname,departure,arrival,flightno,class)values({},'{}','{}','{}',{},'{}')".format(pid,pname,departure,arrival,flightno,CLAS)

mycursor.execute(sql)

mydb.commit()

print("Your PassengerId is:",pid)

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TICKET RESERVATION SUCCESSFULLY COMPLETED\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

sql1="UPDATE INTERNATIONALFLIGHTS SET NOOFPASSENGERS=NOOFPASSENGERS+1 WHERE FLIGHTNO={}".format(flightno)

mycursor.execute(sql1)

mydb.commit()

except Exception as e:

print(e)

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* WELCOME TO AIRLINES RESERVATION SYSTEM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("\n1.RESERVATION FOR DOMESTIC AIRLINES")

print("2.RESERVATION FOR INTERNATIONAL AIRLINES")

print("3.EXIT")

ch=int(input("Enter your choice(1-3):"))

if ch==1:

pdata()

elif ch==2:

pidata()

elif ch==3:

print("TERMINATING")

else:

print("WRONG CHOICE")

mydb.commit()

def p\_details():

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* PASSENGER DETAILS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

while True:

print("1.View records of passengers travelling through Domestic Flights")

print("2.View records of passengers travelling through International Flights")

print("3.Go back to the Main Menu")

choice=int(input("Enter your choice(1/3)="))

print("======================================================")

if choice==1:

while True:

print("1.View Passenger id's of all passengers")

print("2.View the details of all passengers travelling through Domestic Flights")

print("3.View the details of passengers arriving at a specific location")

print("4.View the details of passengers boarding from a specific location")

print("5.View the details of a specific passenger")

print("6.View the details of passengers travelling through a particular flight")

print("7.Go Back to the main menu")

ch=int(input("Enter your choice(1-7):"))

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

if ch==1:

mycursor.execute("select pid from pdata")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==2:

print("P\_ID",'\t',"NAME",'\t',"DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

mycursor.execute("select \* from pdata")

for x in mycursor:

print(x,'\t')

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==3:

des=input("Enter destination:")

try:

sql="SELECT \* FROM pdata WHERE ARRIVAL like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No passenger with this destination is mentioned in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==4:

des=input("Enter boarding place:")

try:

sql="SELECT \* FROM pdata WHERE DEPARTURE like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No passenger with this destination is mentioned in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==5:

f=int(input("Enter the passenger id of the passenger whose details you want to view:"))

try:

sql="SELECT \* FROM pdata WHERE pid like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchone()

mydb.commit()

if data==None:

print("The given passenger id does not exist in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

print(data)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==6:

f=int(input("Enter the flight number:"))

try:

sql="SELECT \* FROM pdata WHERE flightno like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("The given flight number does not exist in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif ch==7:

return

elif choice==2:

while True:

print("1.View Passenger id's of all passengers")

print("2.View the details of all passengers travelling through International Flights")

print("3.View the details of passengers arriving at a specific location")

print("4.View the details of passengers boarding from a specific location")

print("5.View the details of a specific passenger")

print("6.View the details of passengers travelling through a particular flight")

print("7.Go Back to the main menu")

c=int(input("Enter your choice(1-7):"))

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

if c==1:

mycursor.execute("select pid from pidata")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==2:

print("P\_ID",'\t',"NAME",'\t',"DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

mycursor.execute("select \* from pidata")

for x in mycursor:

print(x,'\t')

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==3:

des=input("Enter destination:")

try:

sql="SELECT \* FROM pidata WHERE ARRIVAL like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No passenger with this destination is mentioned in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==4:

des=input("Enter boarding place:")

try:

sql="SELECT \* FROM pidata WHERE DEPARTURE like '{}'".format(des)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("No passenger with this destination is mentioned in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==5:

f=int(input("Enter the passenger id of the passenger whose details you want to view:"))

try:

sql="SELECT \* FROM pidata WHERE pid like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchone()

mydb.commit()

if data==None:

print("The given passenger id does not exist in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

print(data)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==6:

f=int(input("Enter the flight number:"))

try:

sql="SELECT \* FROM pidata WHERE flightno like {}".format(f)

mycursor.execute(sql)

data=mycursor.fetchall()

mydb.commit()

if data==[]:

print("The given flight number does not exist in the office records")

else:

print("P\_ID"," NAME"," DEPARTURE"," ARRIVAL"," F\_NO"," CLASS")

for i in data:

print(i)

except Exception as e:

print(e)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

elif c==7:

return

elif choice==3:

return

def cancel():

def cancel\_Dticket():

import mysql.connector

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

a=int(input("Do you want to view the passenger names along with their details.Enter 1 for yes."))

if a==1:

mycursor.execute("select \* from pdata")

data=mycursor.fetchall()

for i in data:

print(i)

else:

b=int(input("Do you want to view the passenger id's of all registered passengers.Enter 1 for yes."))

if b==1:

print("Passenger id's of the registered passengers are----->>>>>>")

mycursor.execute("select pid from pdata")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

try:

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

pid=int(input("Enter passenger id whose details is to be deleted="))

sql="delete from pdata where pid=%s"

sid=(pid,)

no=int(input("Enter the flight number for confirmation:"))

mycursor.execute(sql,sid)

mydb.commit()

sql="update domesticflights set noofpassengers=noofpassengers-1 where flightno={}".format(no)

mycursor.execute(sql)

print("1.FIRSTCLASS \t 2.BUSINESS \t 3.ECONOMY")

CLASS=int(input("Choose your registered class(1-3)>>:"))

if CLASS==1:

sql1="update domesticflights set firstclass=firstclass-1 where flightno={}".format(no)

elif CLASS==2:

sql1="update domesticflights set business=business-1 where flightno={}".format(no)

elif CLASS==3:

sql1="update domesticflights set economy=economy-1 where flightno={}".format(no)

mycursor.execute(sql1)

mydb.commit()

print("Reservation for passenger with passenger id",pid,"has been cancelled")

except Exception as e:

print(e)

mydb.commit()

def cancel\_Iticket():

import mysql.connector

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

a=int(input("Do you want to view the passenger names along with their details.Enter 1 for yes."))

if a==1:

mycursor.execute("select \* from pidata")

data=mycursor.fetchall()

for i in data:

print(i)

else:

b=int(input("Do you want to view the passenger id's of all registered passengers.Enter 1 for yes."))

if b==1:

print("Passenger id's of the registered passengers are----->>>>>>")

mycursor.execute("select pid from pidata")

for x in mycursor:

print(x)

print("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^")

try:

mydb=mysql.connector.connect(host='localhost',user='root',passwd='admin',database='airlines')

mycursor=mydb.cursor()

pid=int(input("Enter passenger id whose details is to be deleted="))

sql="delete from pidata where pid=%s"

sid=(pid,)

no=int(input("Enter the flight number for confirmation:"))

mycursor.execute(sql,sid)

mydb.commit()

sql="update internationalflights set noofpassengers=noofpassengers-1 where flightno={}".format(no)

mycursor.execute(sql)

print("1.FIRSTCLASS \t 2.BUSINESS \t 3.ECONOMY")

CLASS=int(input("Choose your registered class(1-3)>>"))

if CLASS==1:

sql1="update internationalflights set firstclass=firstclass-1 where flightno={}".format(no)

elif CLASS==2:

sql1="update internationalflights set business=business-1 where flightno={}".format(no)

elif CLASS==3:

sql1="update internationalflights set economy=economy-1 where flightno={}".format(no)

mycursor.execute(sql1)

mydb.commit()

print("Reservation for passenger with passenger id",pid,"has been cancelled")

except Exception as e:

print(e)

mydb.commit()

while True:

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* FLIGHT RESERVATION CANCELLATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("1.DOMESTIC AIRLINES RESERVATION CANCELLATION \n2.INTERNATIONAL AIRLINES RESERVATION CANCELLATION \n3.EXIT")

ch=int(input("Enter from where do you want to delete the records?:"))

print("======================================================")

if ch==1:

cancel\_Dticket()

elif ch==2:

cancel\_Iticket()

elif ch==3:

return

else:

print("WRONG CHOICE")

############################ MAIN PROGRAM ################################

while True:

print("==========================================================================")

print("1.VIEW DETAILS OF AVAILABLE FLIGHTS")

print("2.ADD RECORDS IN THE FLIGHT CHART")

print("3.TICKET RESERVATION")

print("4.VIEW PASSENGER DETAILS")

print("5.CANCELLATION OF A BOOKED FLIGHT")

print("6.EXIT\n")

print("==========================================================================")

ch=int(input("Enter your choice(1-6)="))

print("===========================================================================")

if ch==1:

flight\_details()

elif ch==2:

add()

elif ch==3:

booking()

elif ch==4:

p\_details()

elif ch==5:

cancel()

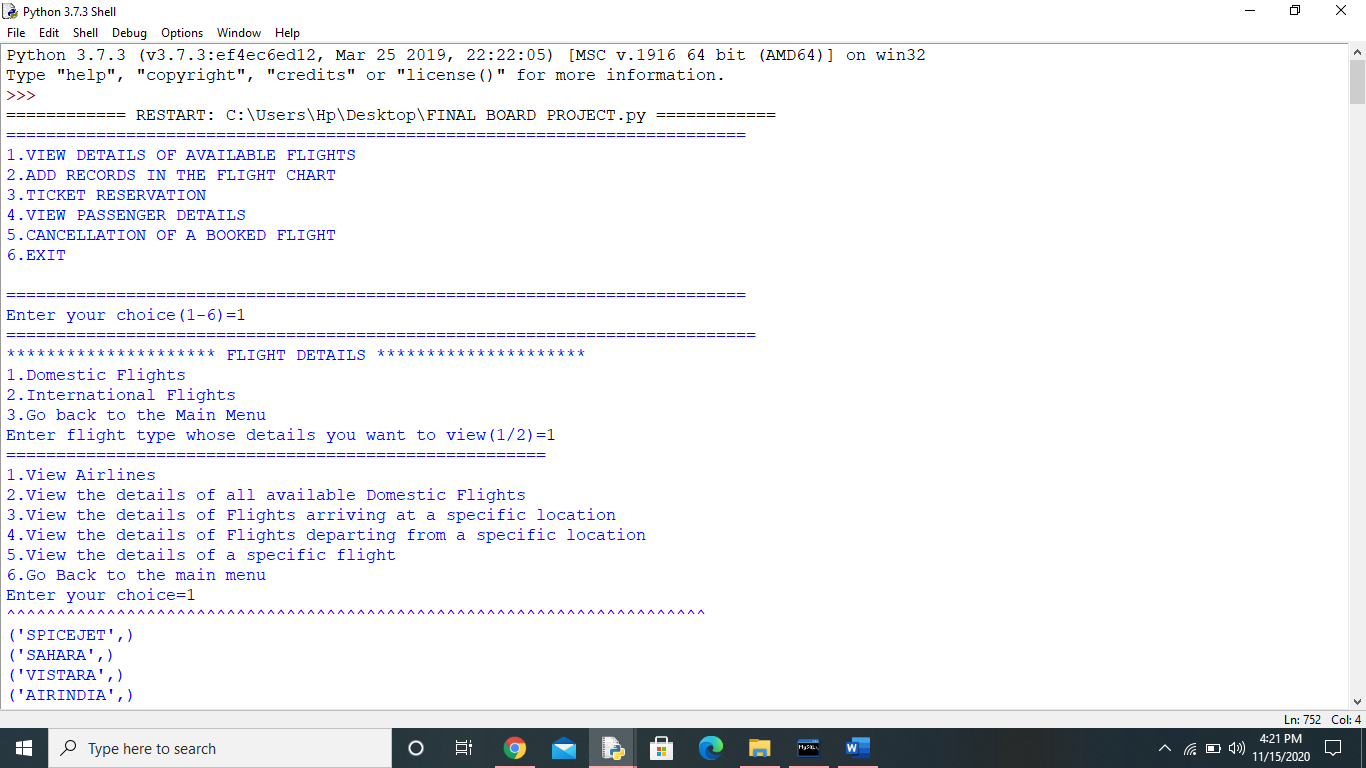
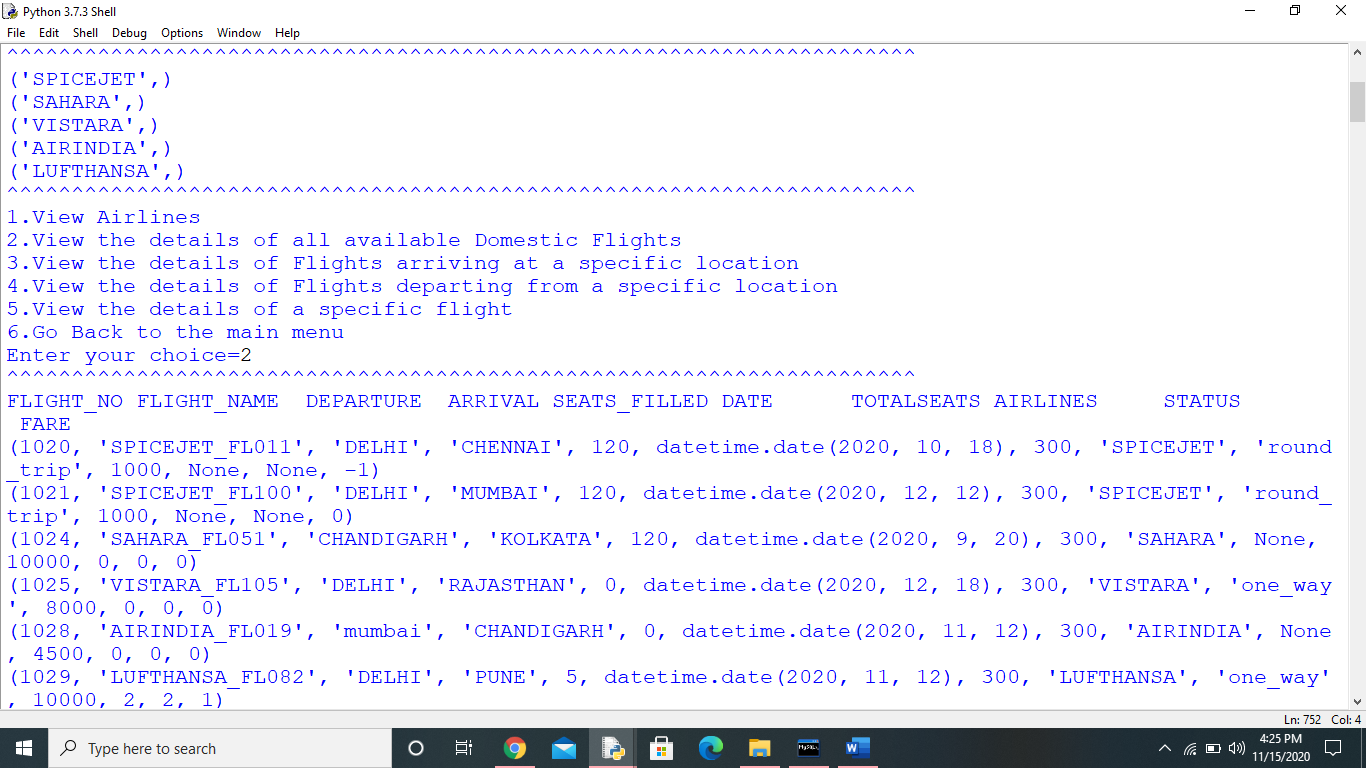
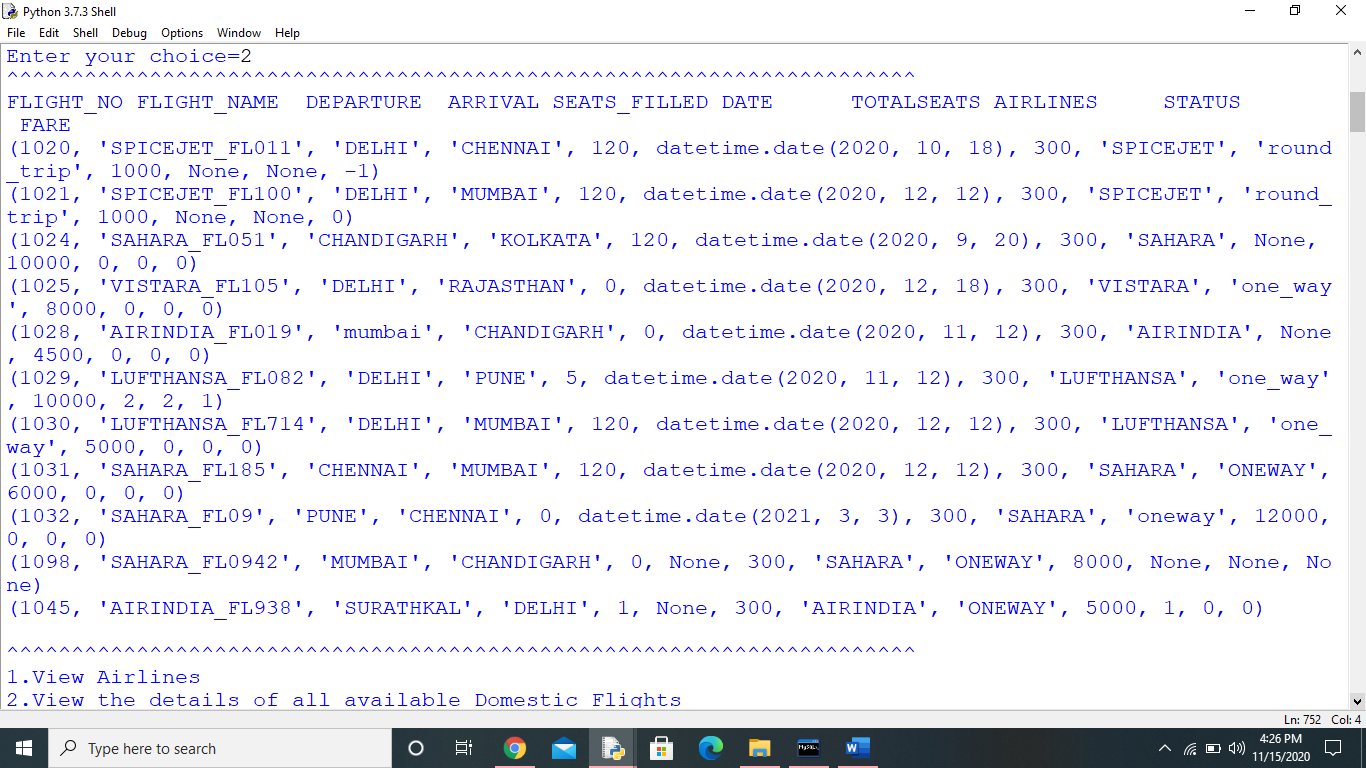
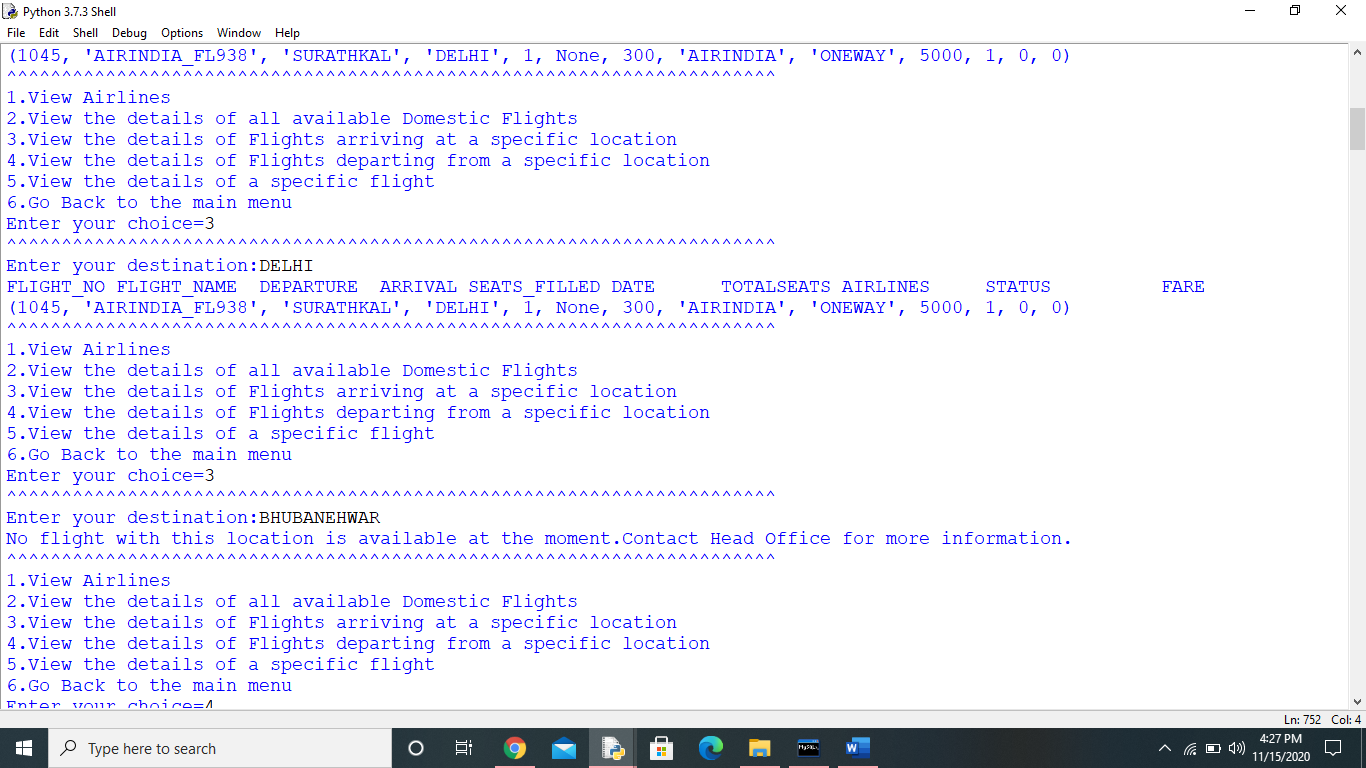
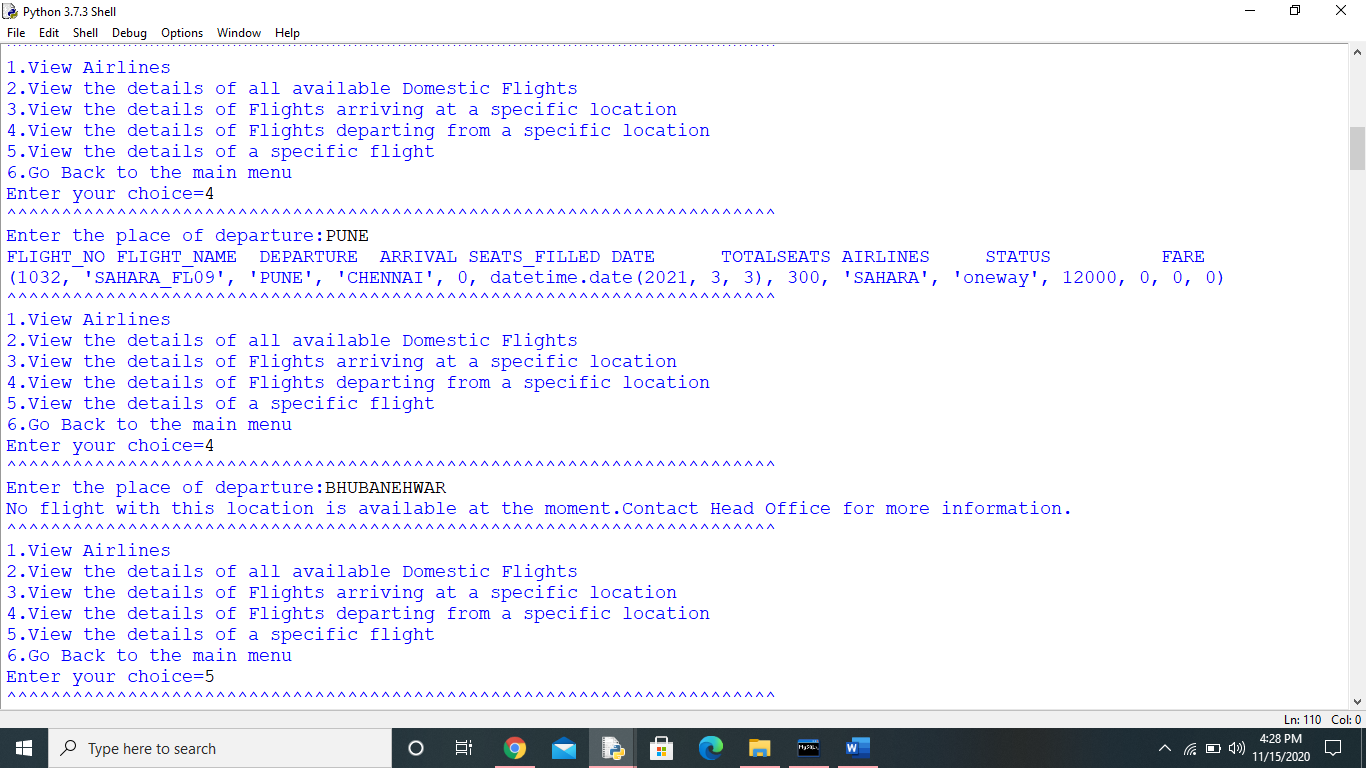
elif ch==6:

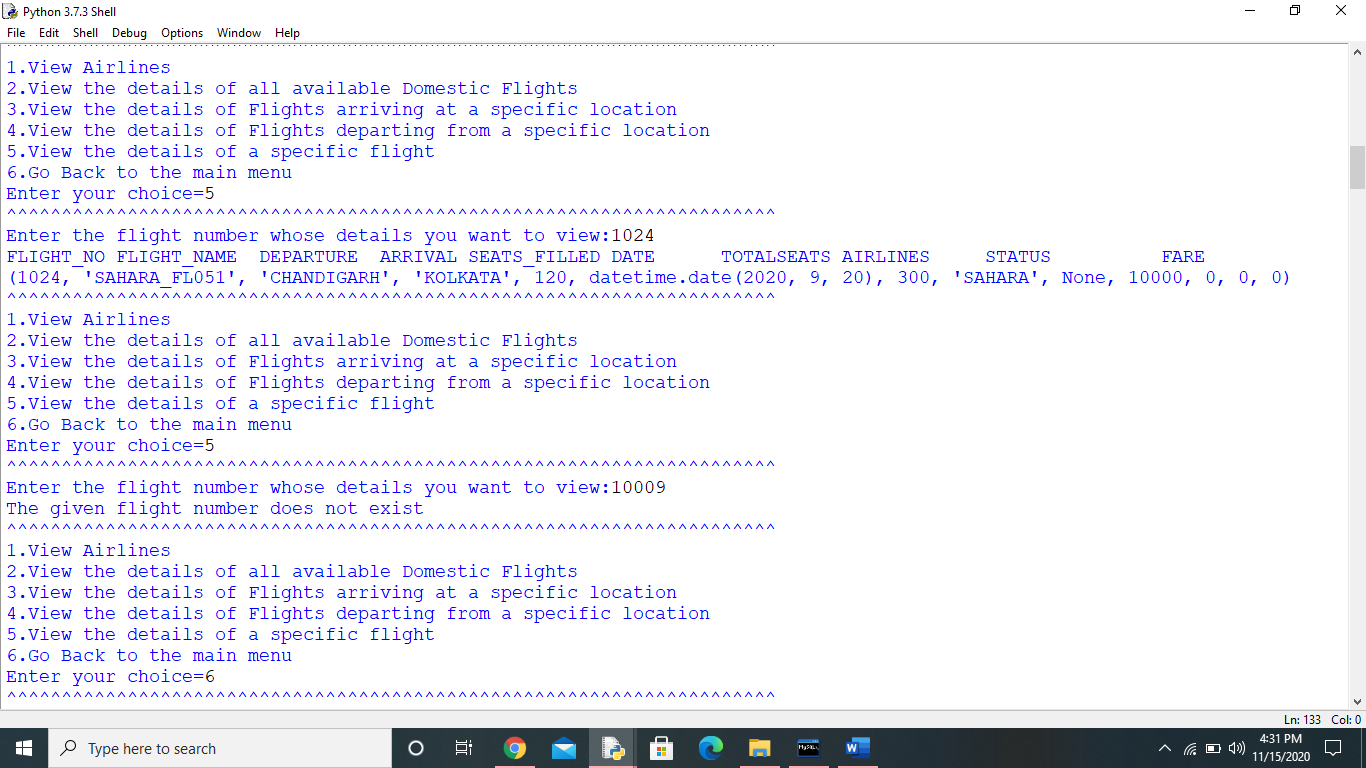
print("\*\*\*\*\*\*\*\*\*\*\*\* THANK YOU \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

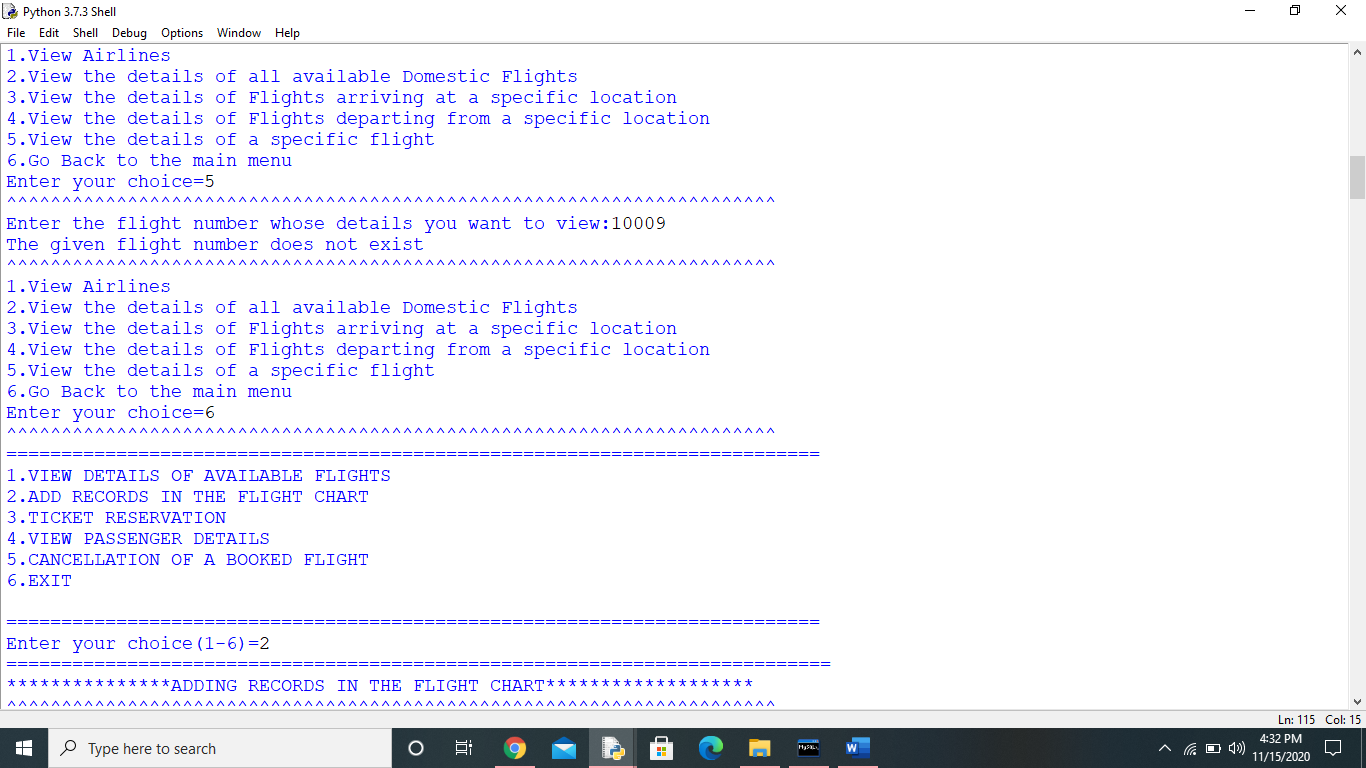
break

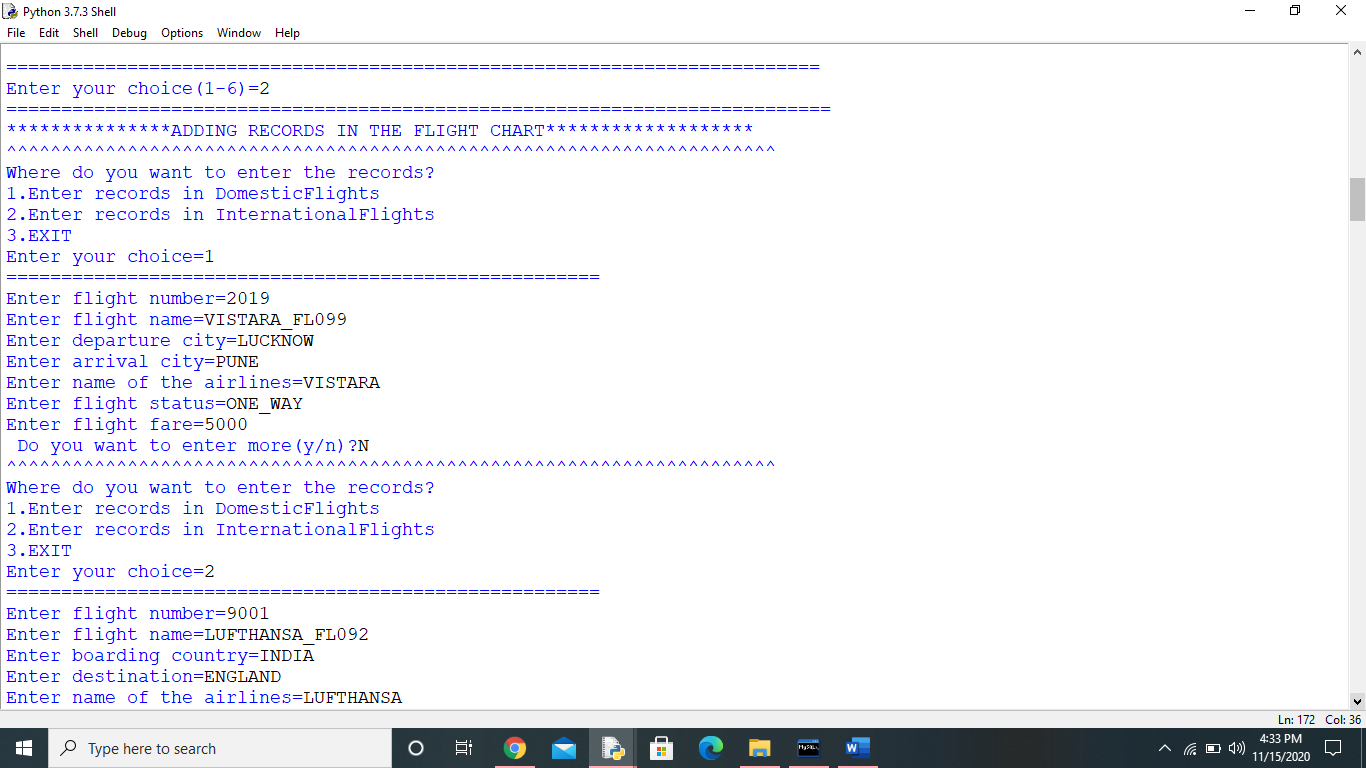
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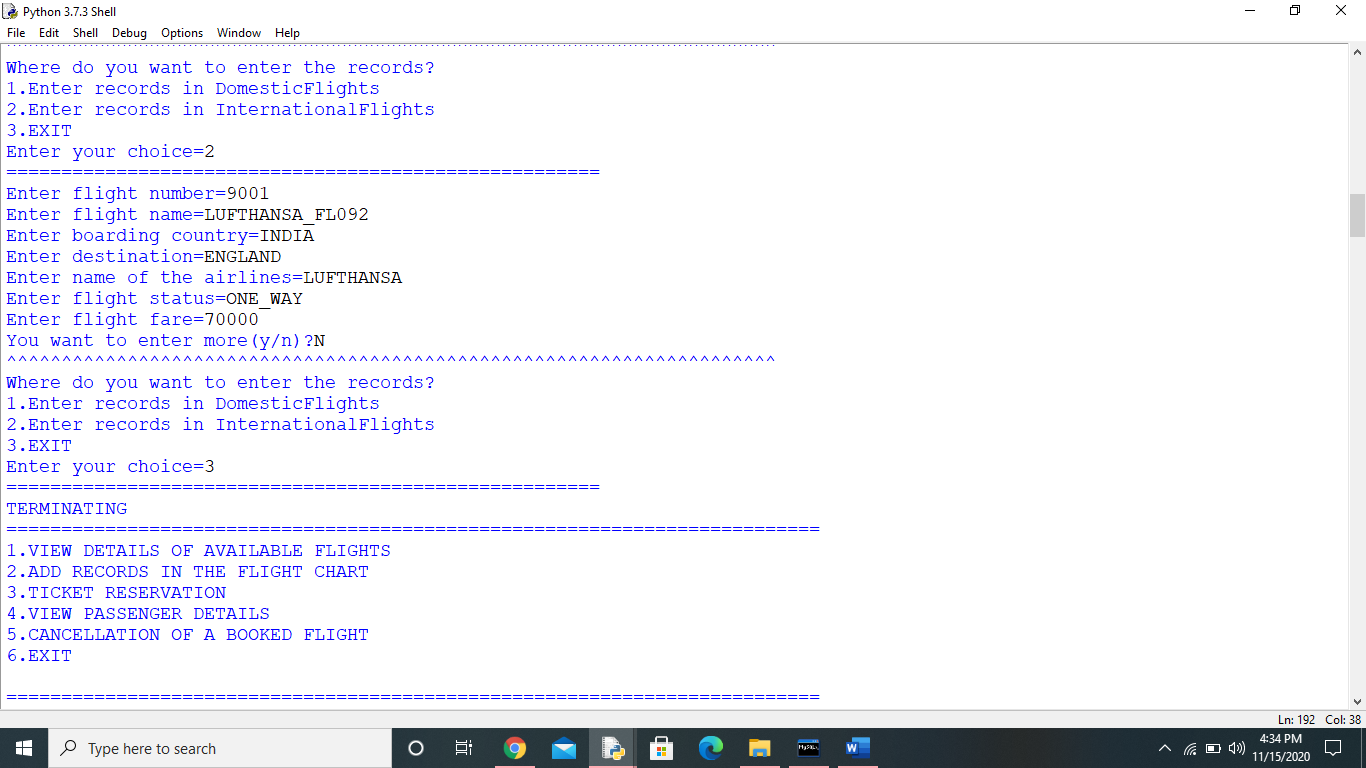
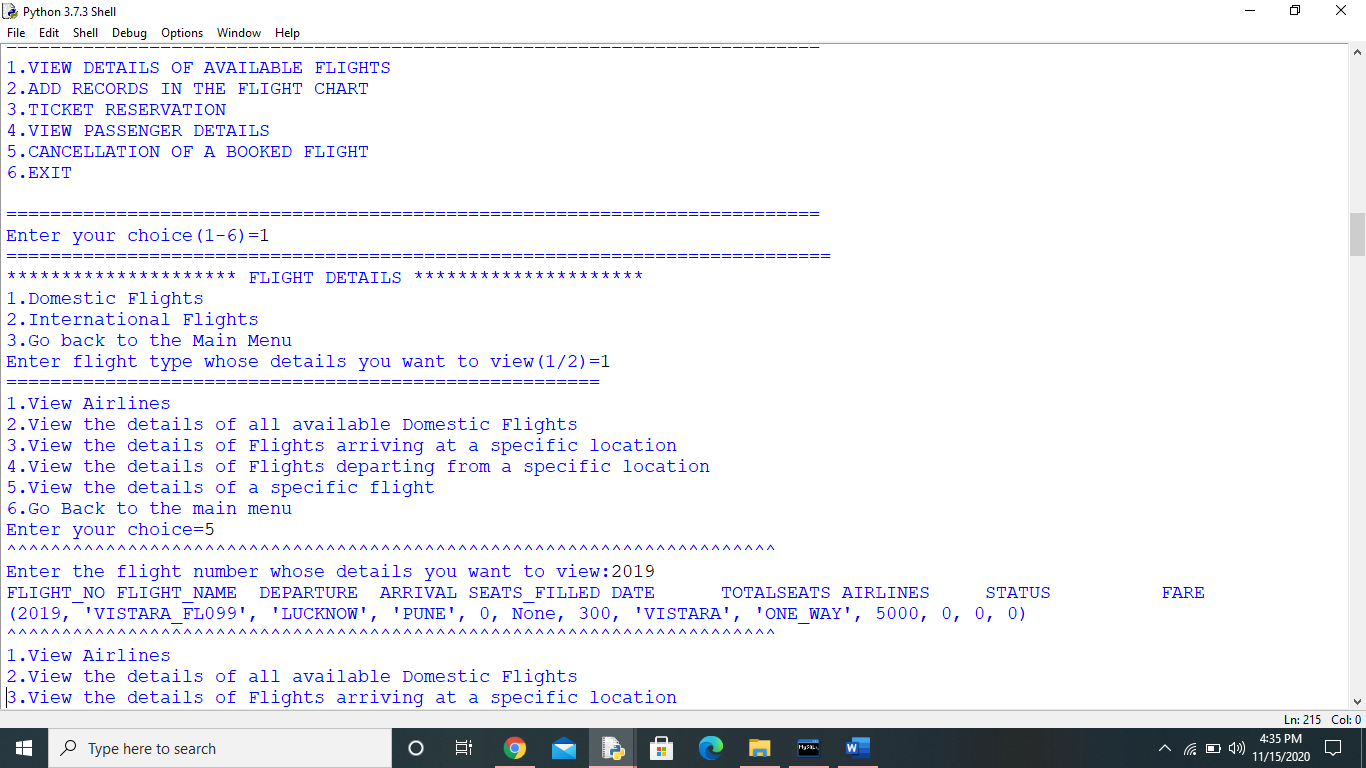
print("WRONG CHOICE")

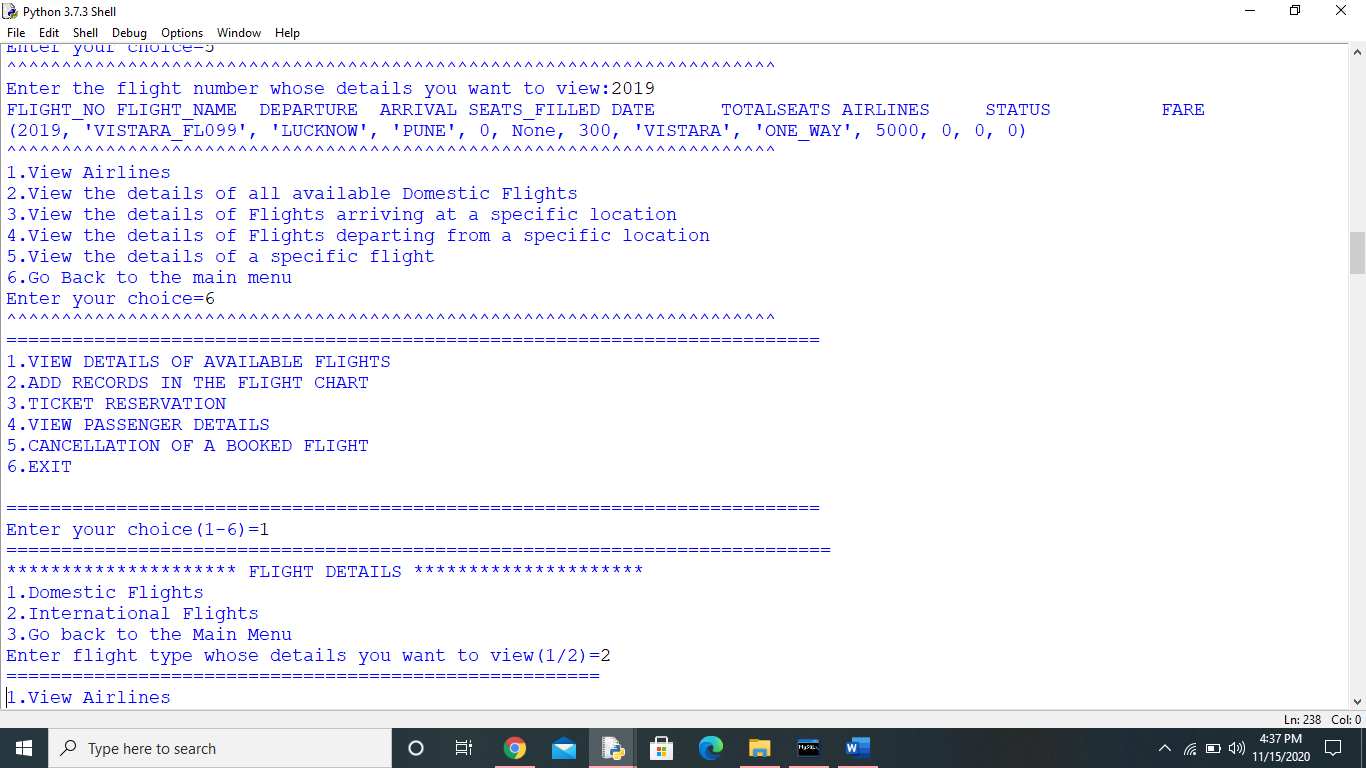
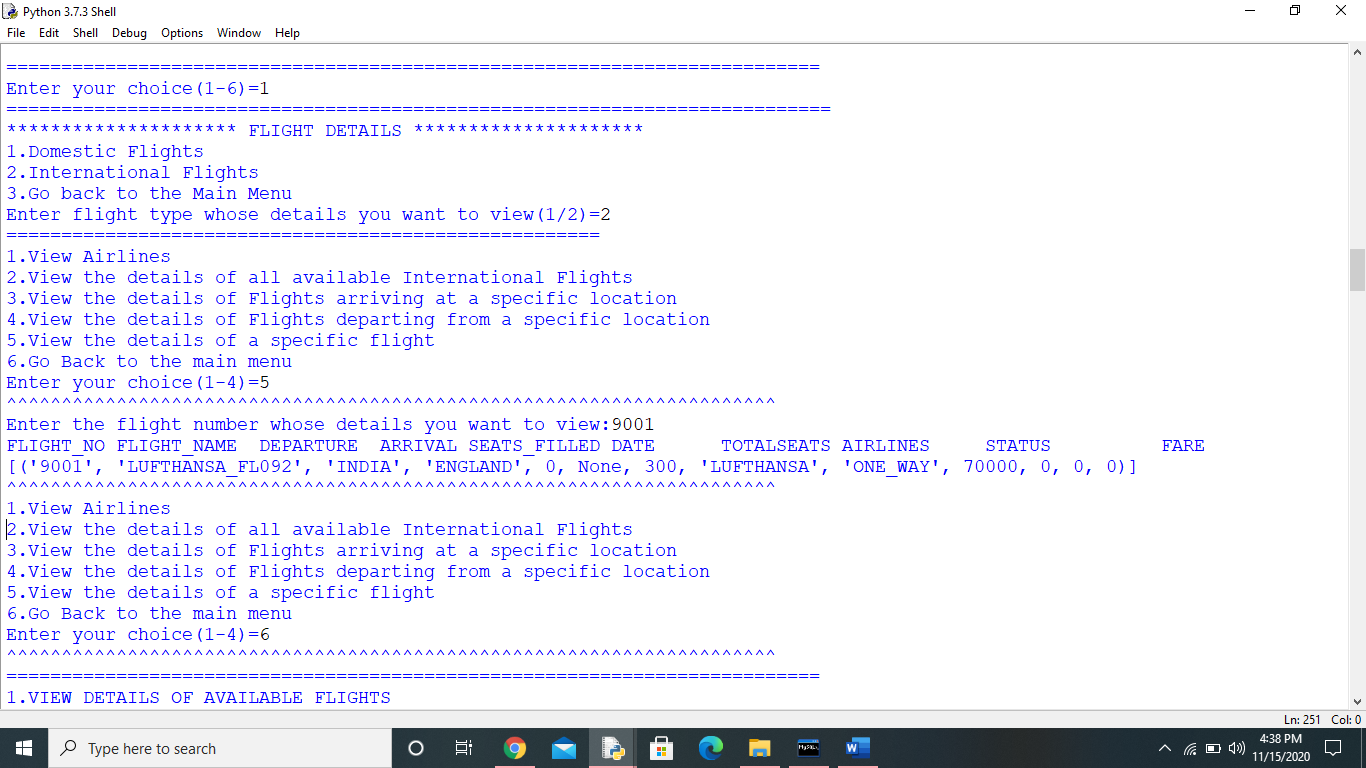
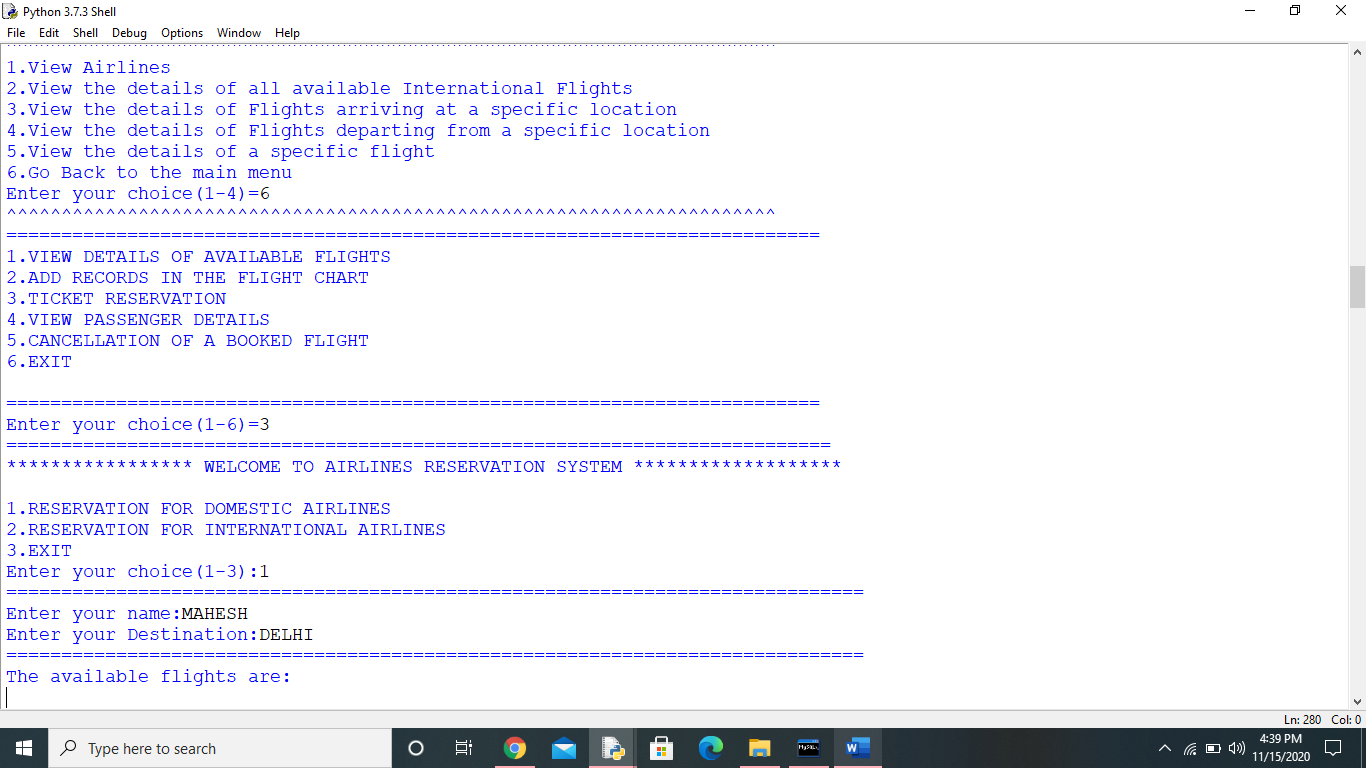
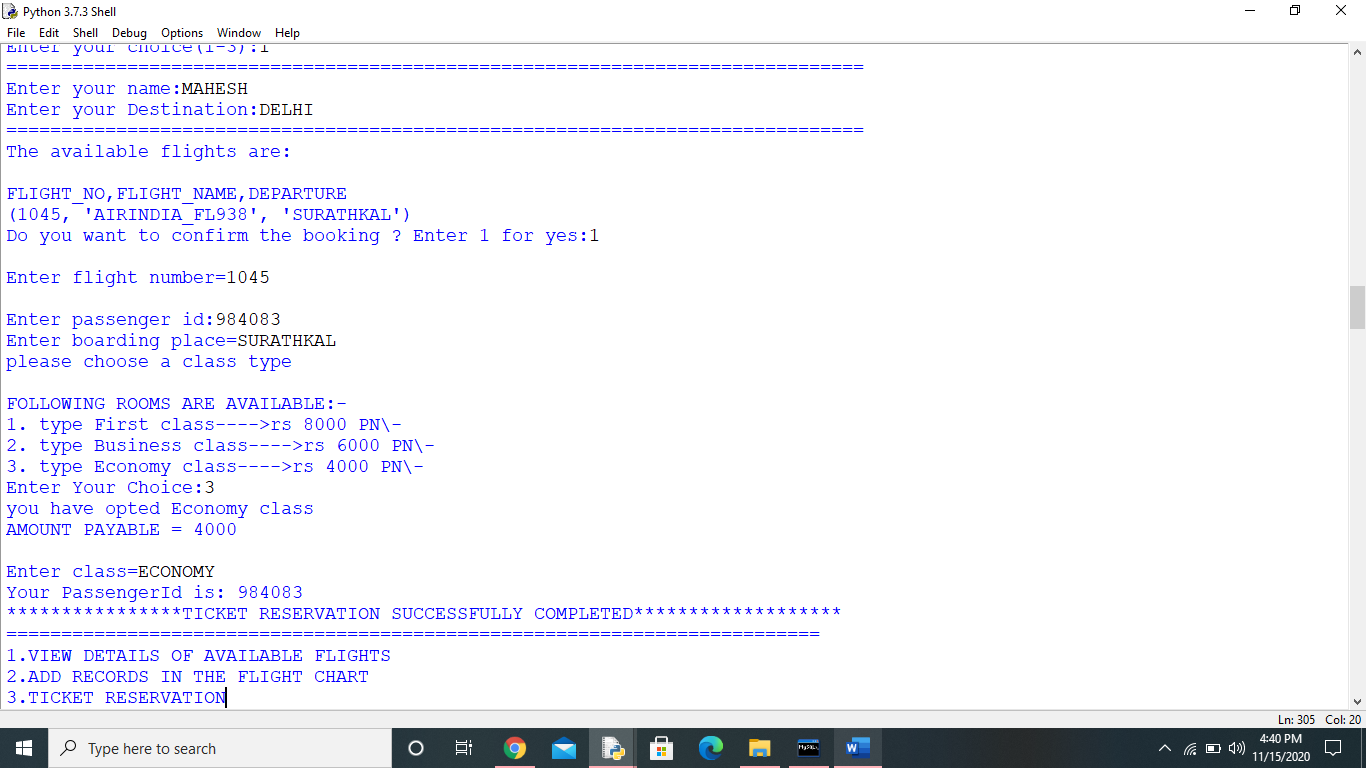
**OUTPUT SCREENSHOTS**  
    

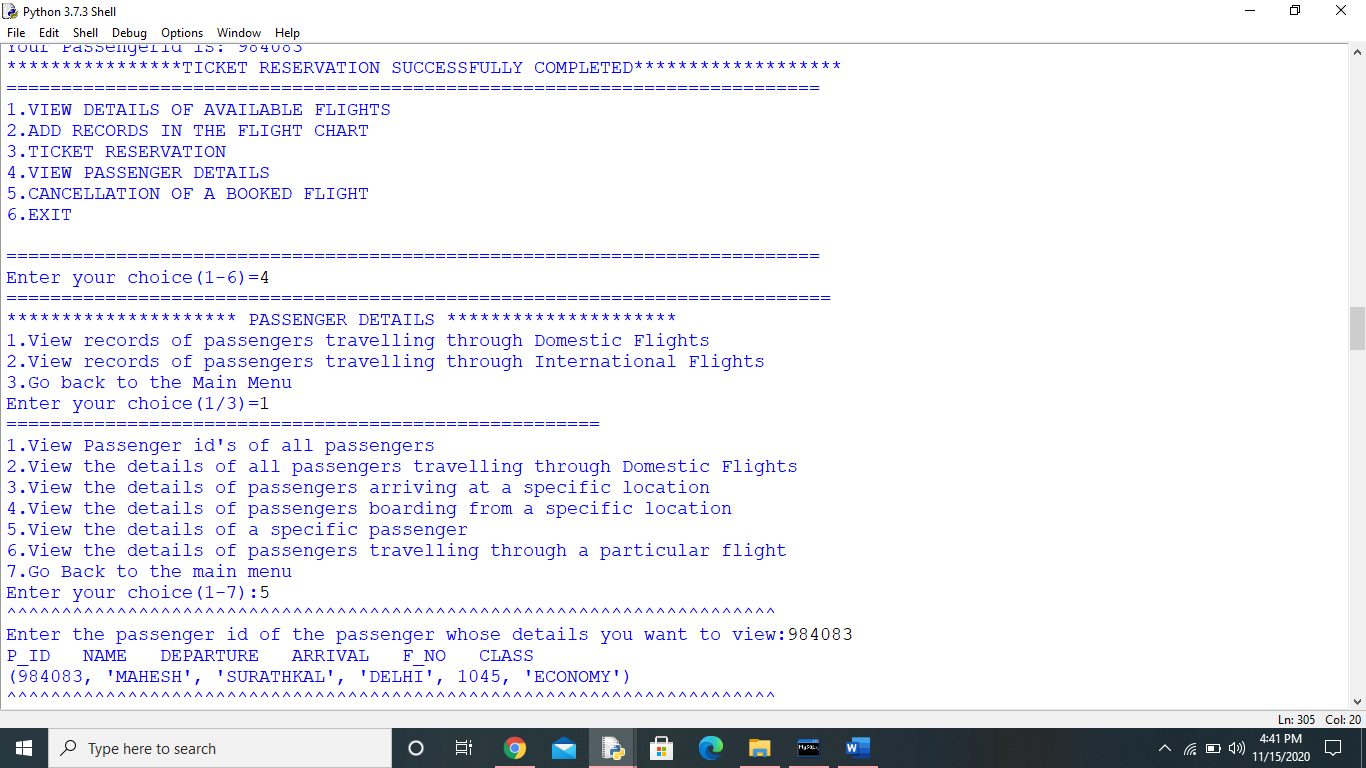


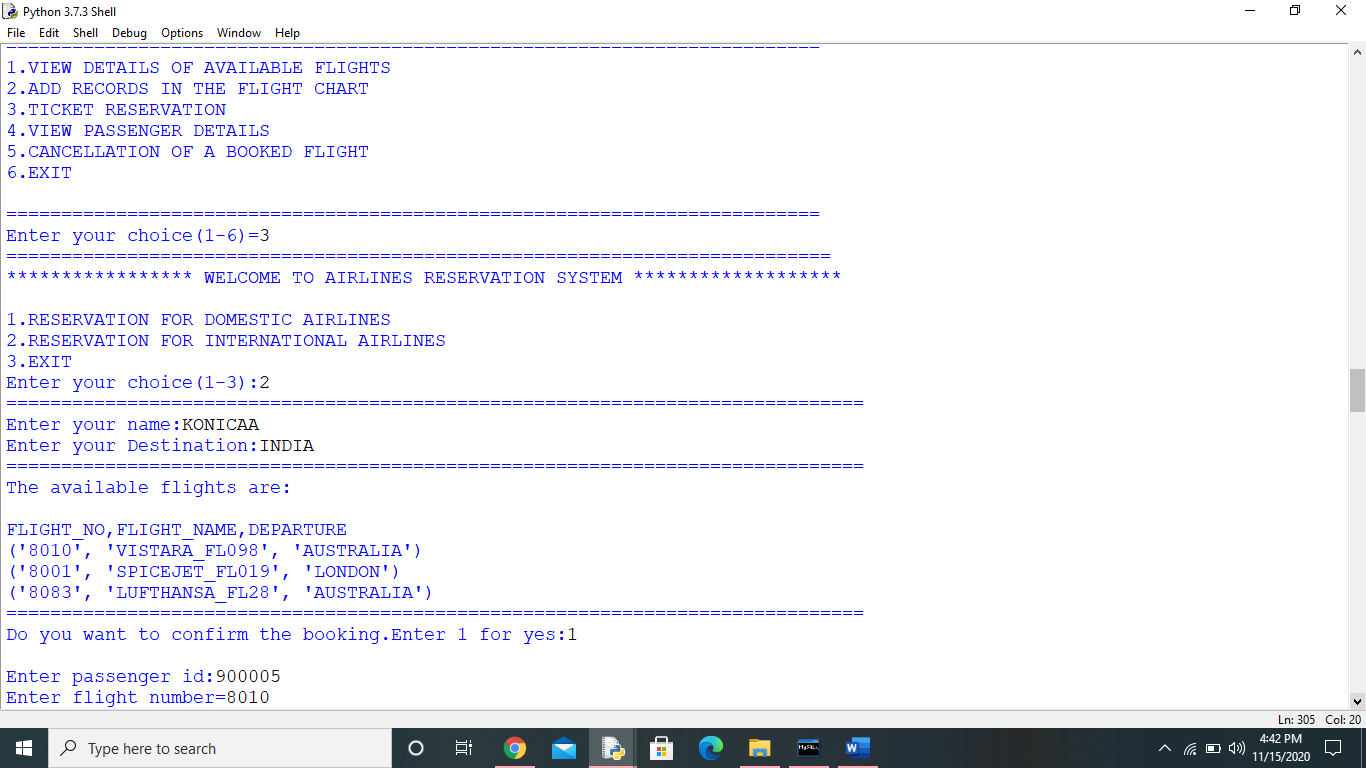


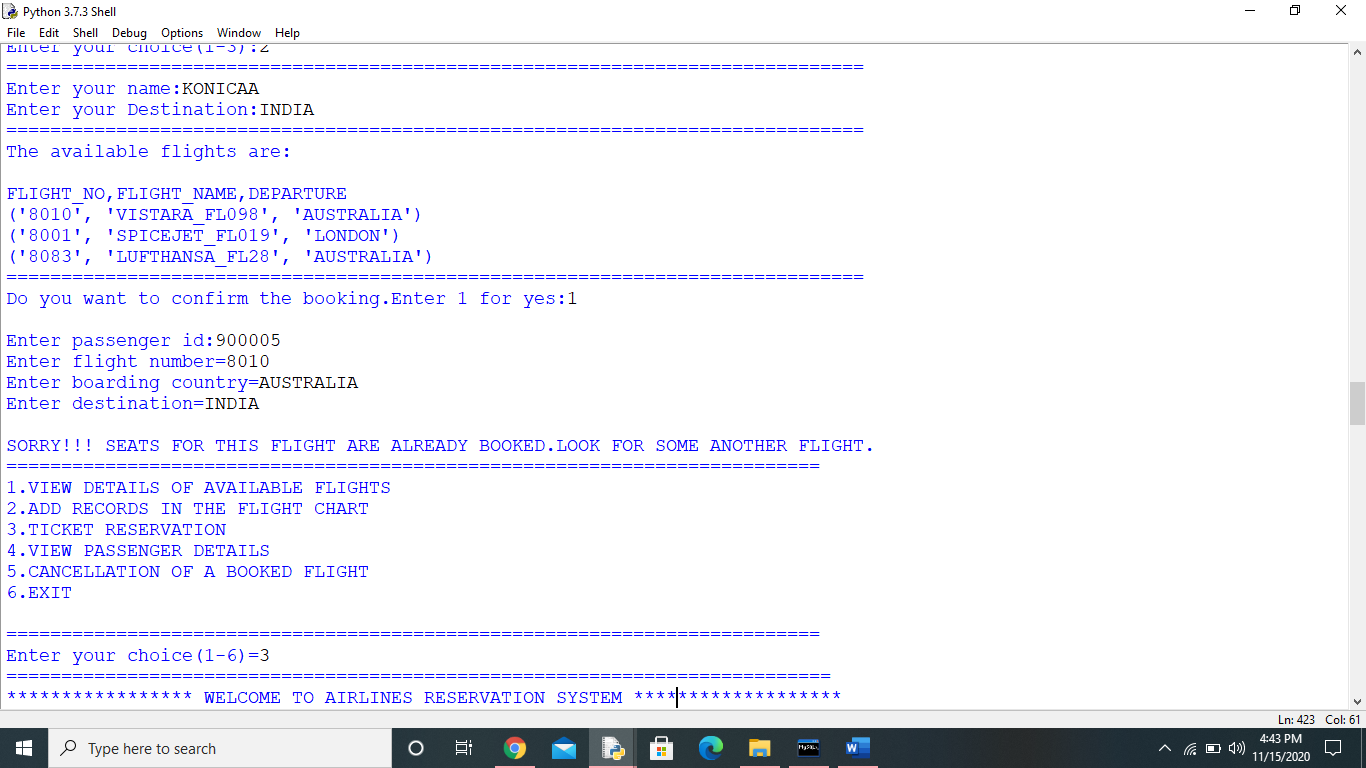


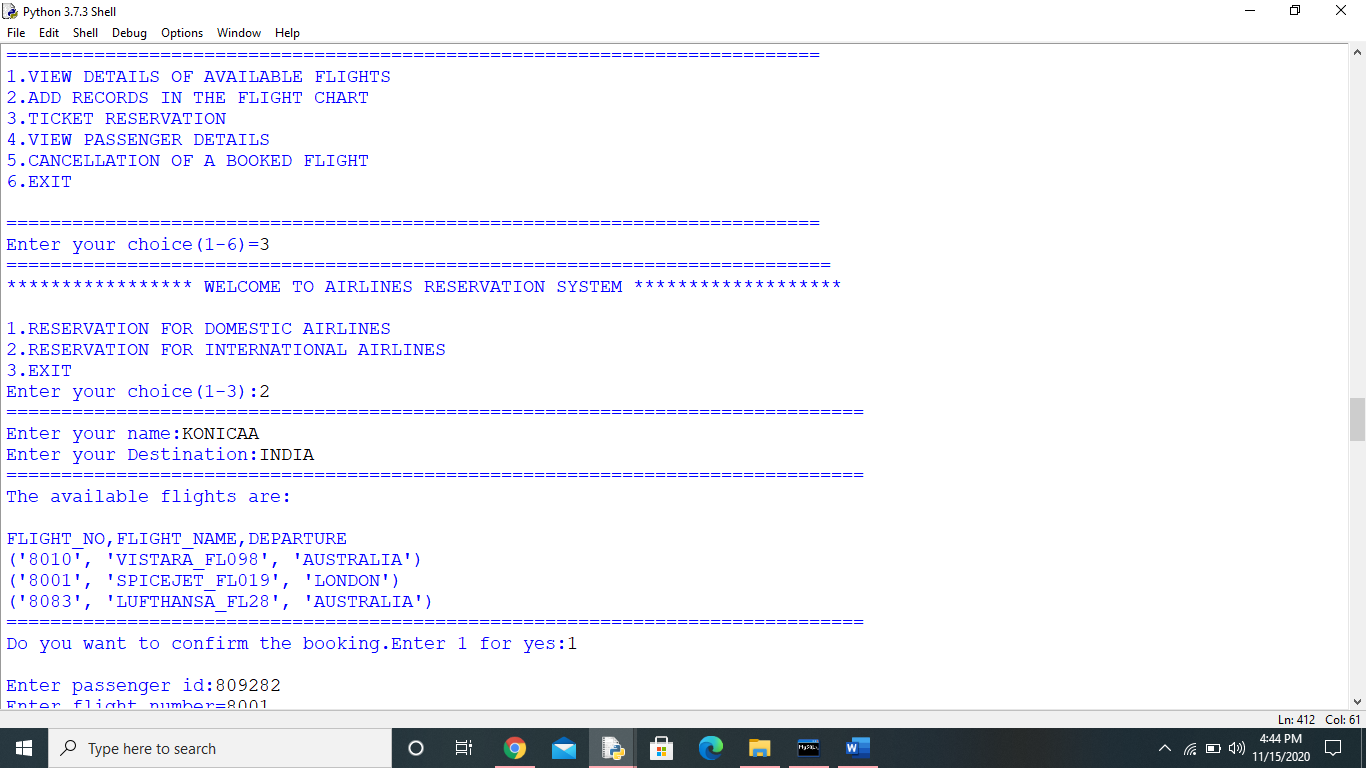
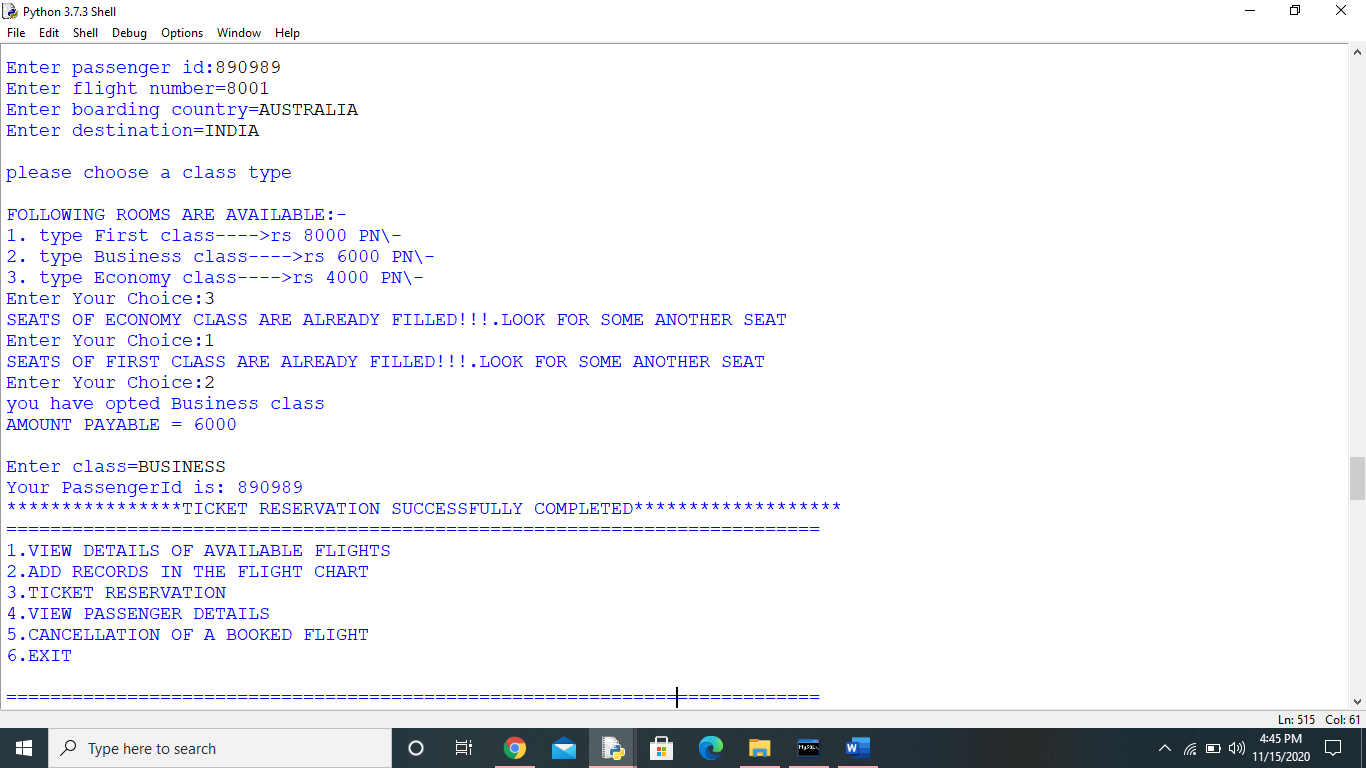
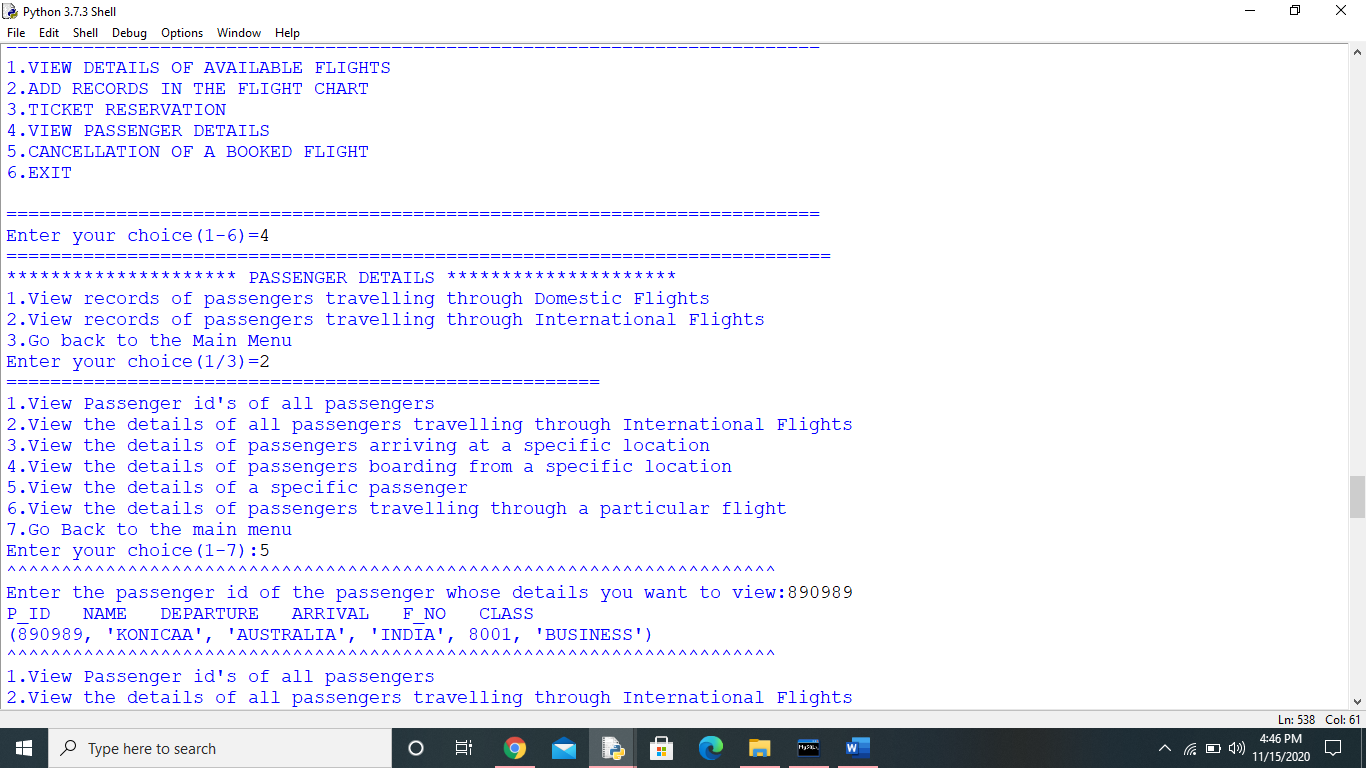
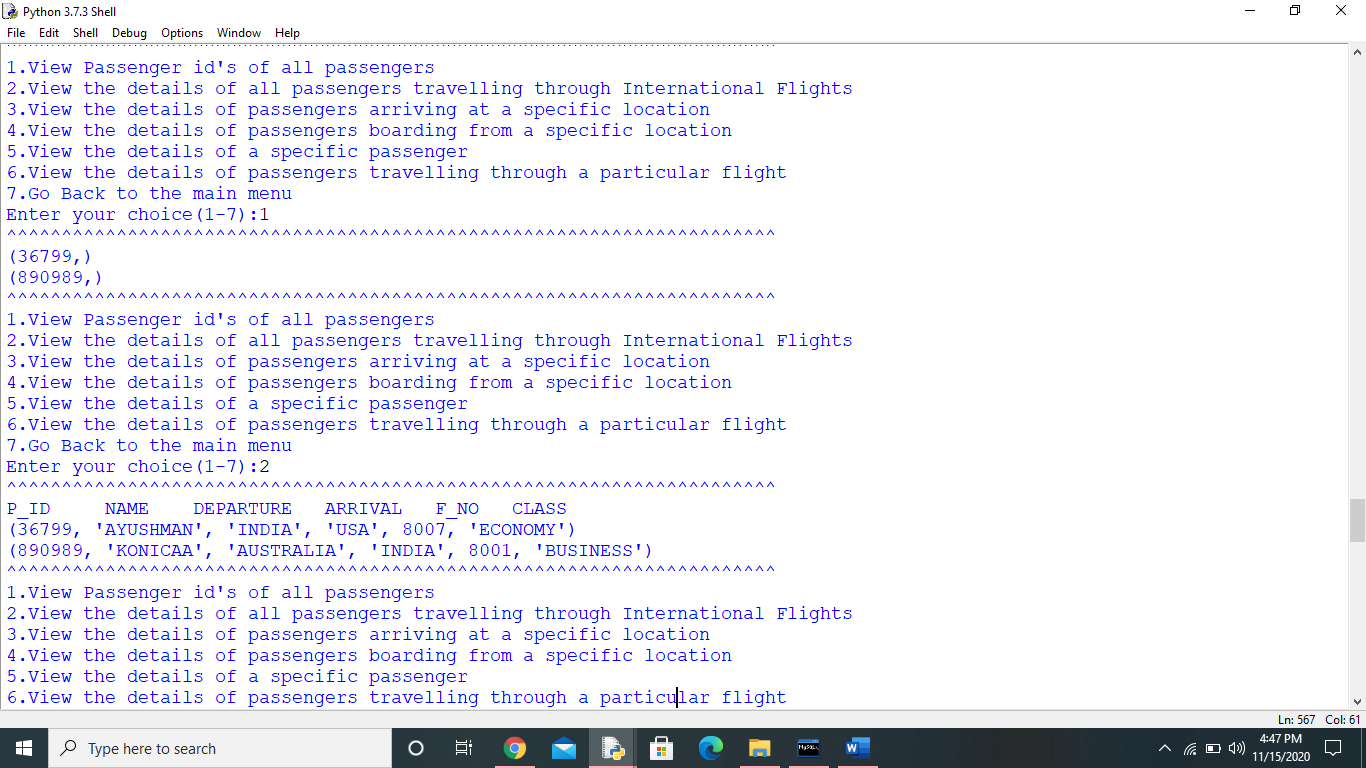
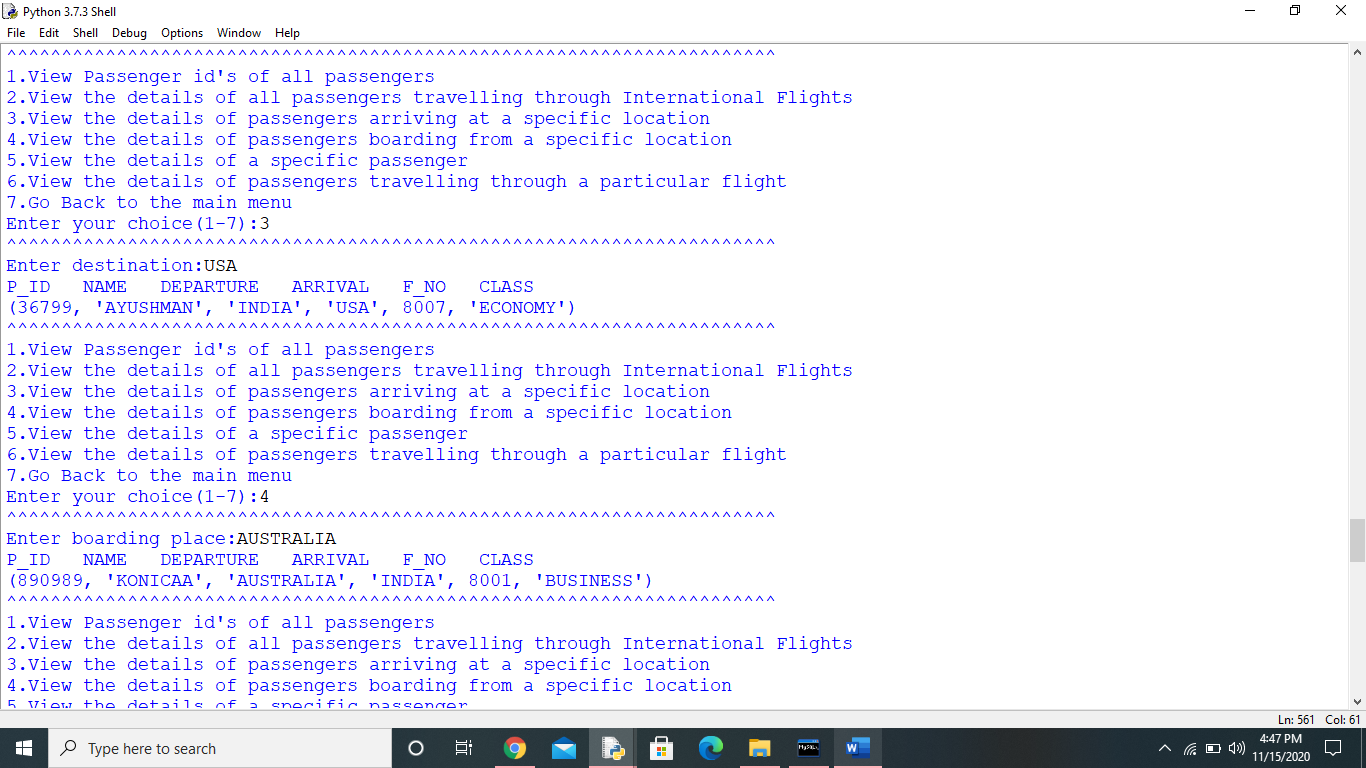
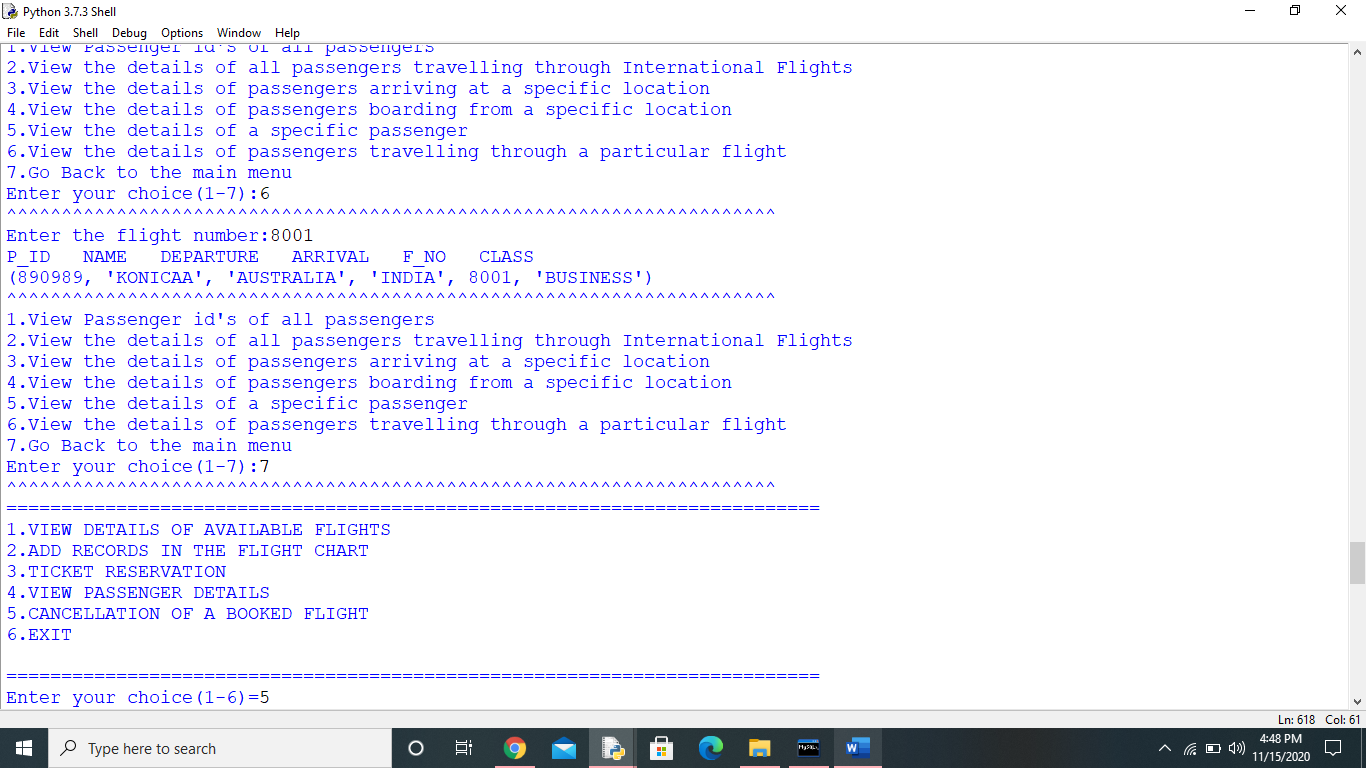
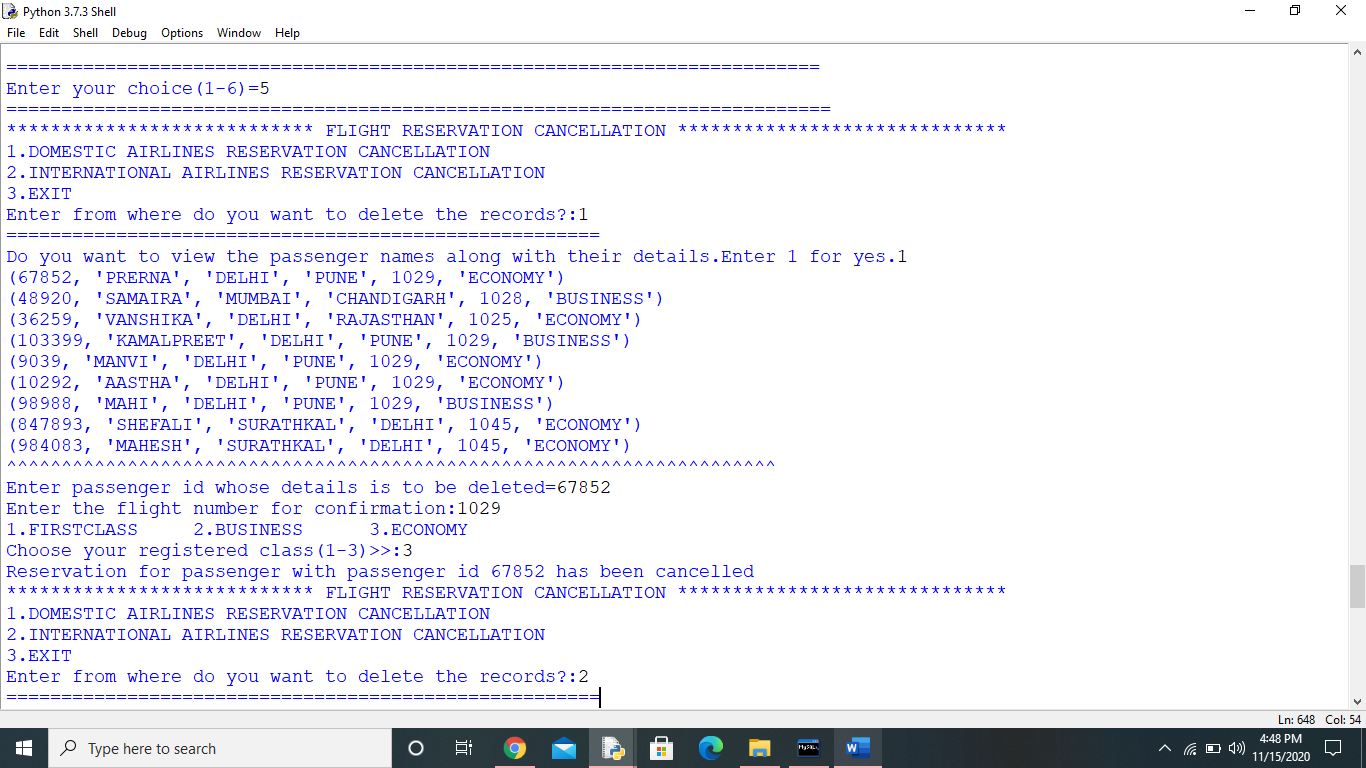
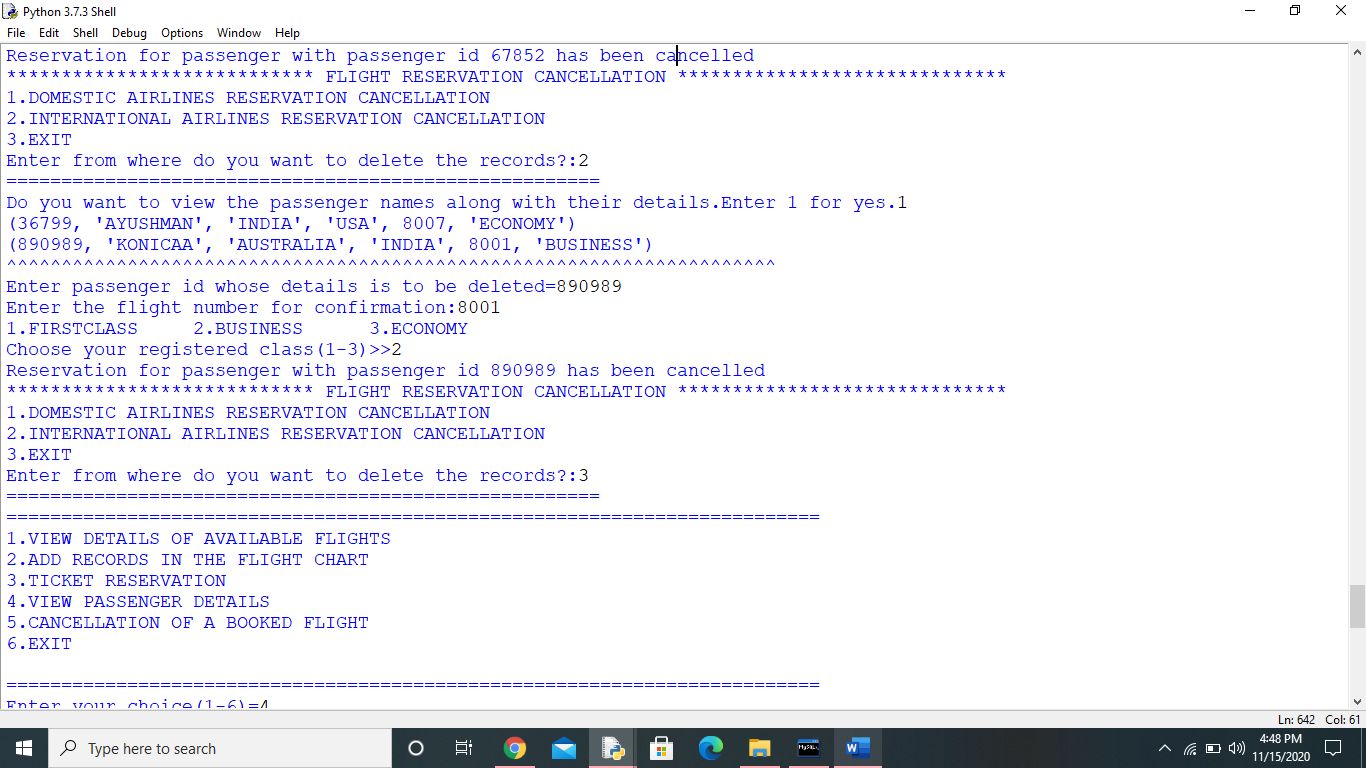
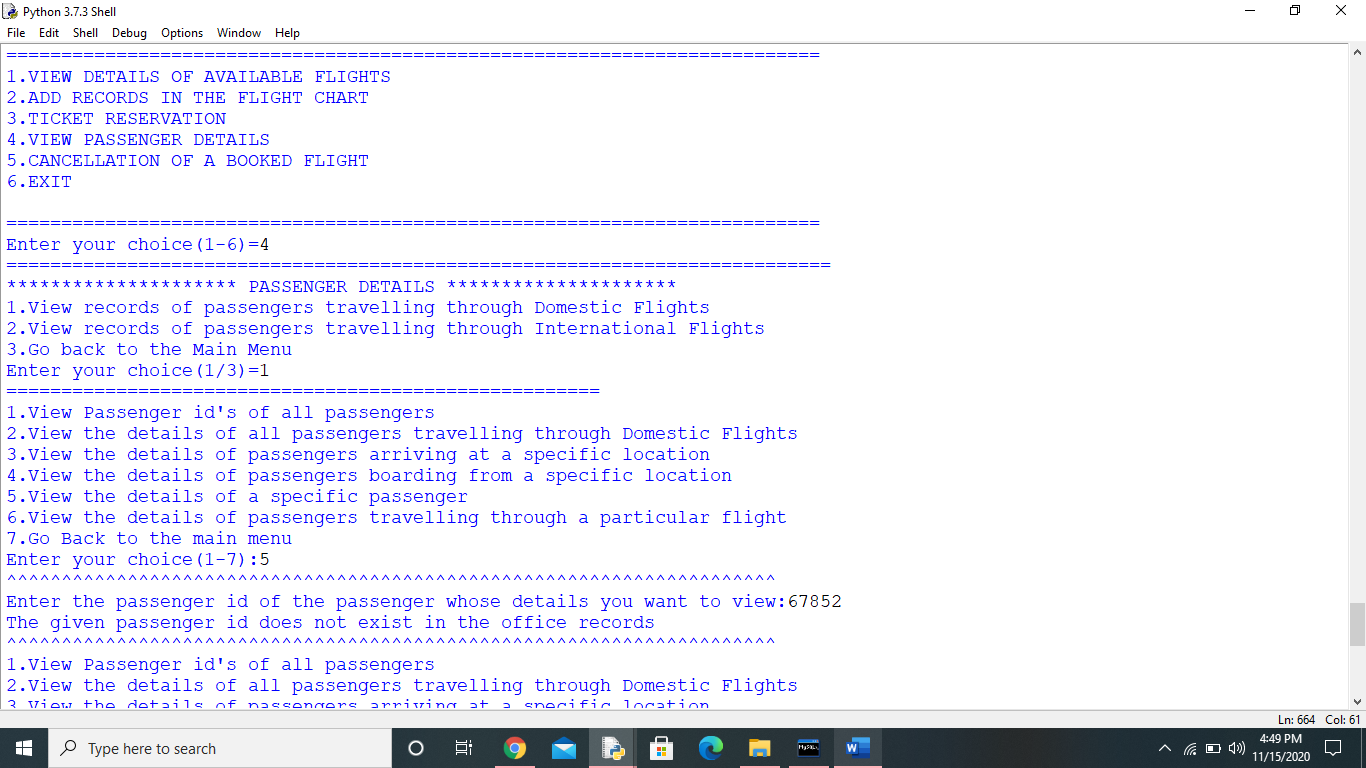
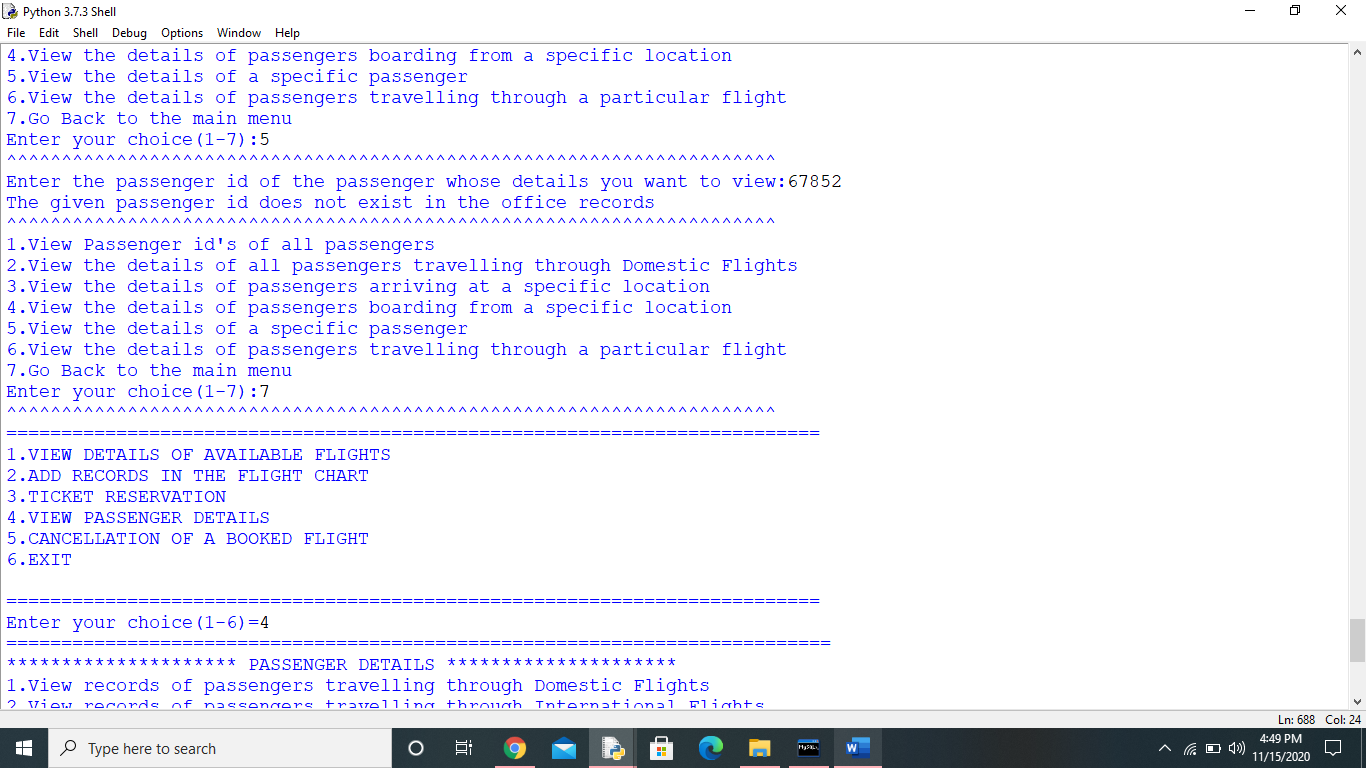
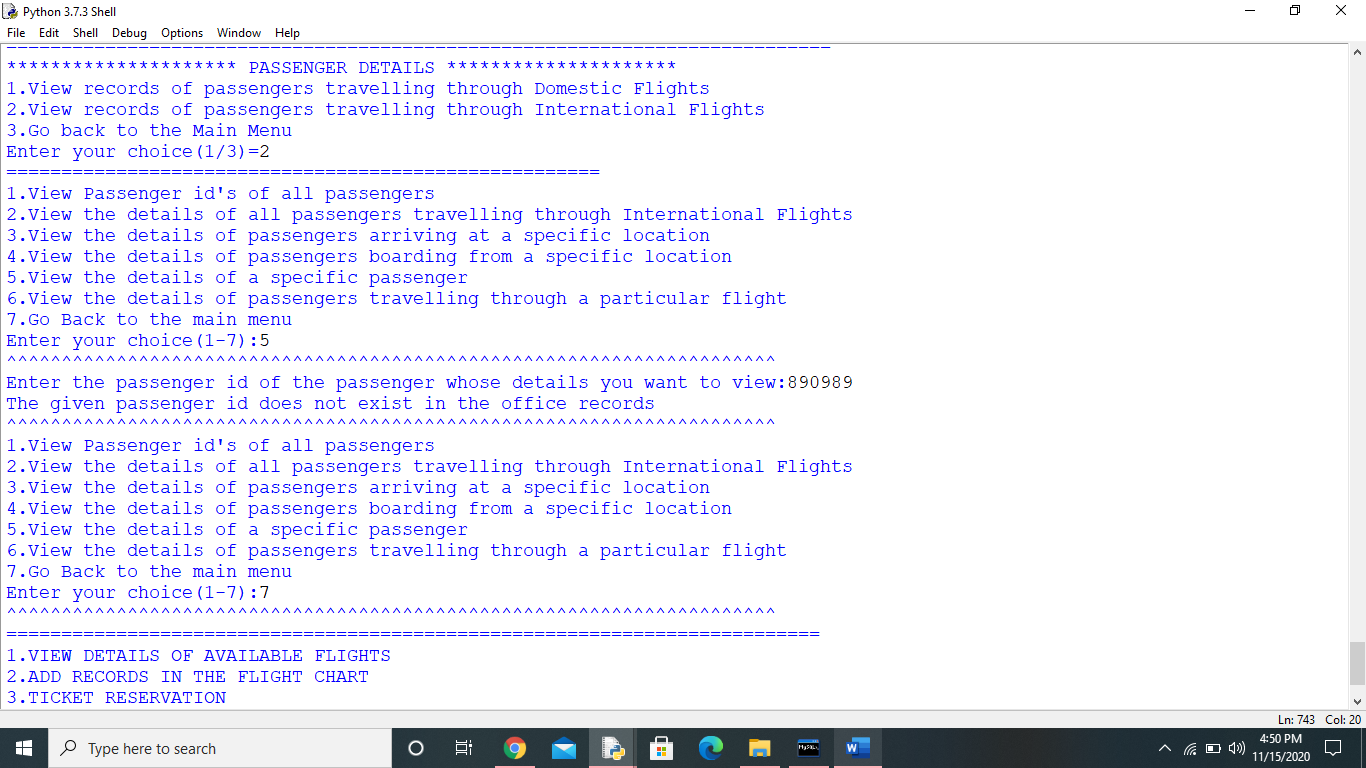
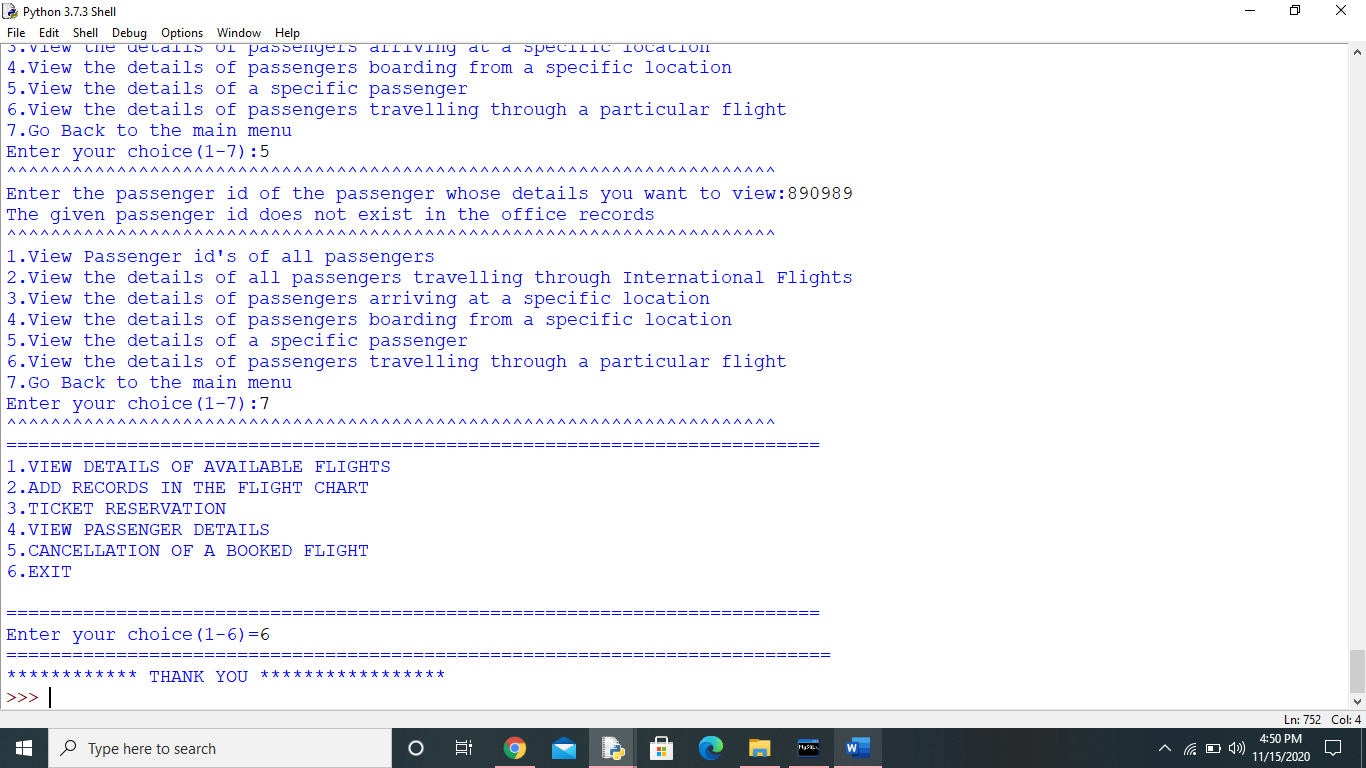
 







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