import mysql.connector

from csv import DictWriter

from csv import DictReader

import os

conn = mysql.connector.connect(host='localhost', username='root',password='python', database='airlines\_booking')

my\_cursor = conn.cursor()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*WELCOME TO FLIGHT BOOKING SYSTEM\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

acc = input("\nDO YOU HAVE A ACCOUNT (Y/N)")

e = []

if acc=='y' or acc=='yes' or acc=='Y' or acc=='YES':

email = input("\nENTER YOUR EMAIL ID:-")

e.append(email)

pas = input("\nENTER YOUR PASSWORD:-")

otp = int(input("\nENTER A OTP CODE ON YOUR EMAIL AND PHONE NO:-"))

print("\n-------LOGIN SUCCESSFUL-------")

else:

nam = input("\nENTER YOUR FULL NAME:-")

pn = int(input("\nENTER YOUR PHONE NO:-"))

city = input("\nENTER YOUR CITY NAME:-")

state = input("\nENTER YOUR STATE:-")

em = input("\nENTER YOUR EMAIL ID:-")

e.append(em)

passw = input("\nENTER YOUR PASSWORD:-")

print(f"\nOTP SEND TO {pn} AND {em}")

ot = int(input("\nENTER THE OTP NO:-"))

print("\n-------YOUR ACCOUNT IS CREATED SUCCESSFULLY-------")

print("\nhow do you want to search your flight by")

print("1.flight number")

print("2.mannualy")

ans = int(input("\nAnswer (1/2):-"))

if ans==1:

num = (input("\nENTER FLIGHT NUMBER:-"))

query = "SELECT \* FROM FLIGHTS WHERE FLIGHT\_NO = '{}' ".format(num)

my\_cursor.execute(query)

print("\nYOUR FLIGHT DATA IS-------")

for a in my\_cursor:

print(a)

deplo = []

arrlo = []

fli = []

def flight\_data():

departure = input("\nENTER YOUR DEPARTURE LOCAION:-")

arrival = input("\nENTER YOUR ARRIVAL LOCATION:-")

query2 = "SELECT AIRLINES\_NAME FROM FLIGHTS WHERE DEPARTURE = '{}' AND DESTINATION = '{}'".format(departure, arrival)

deplo.append(departure)

arrlo.append(arrival)

my\_cursor.execute(query2)

print("\nYOUR REQUIRED FLIGHTS ARE------")

for b in my\_cursor:

print(b)

fly = input("\nENTER A FLIGHT NAME YOU WANT:-")

fli.append(fly)

print("\nHEAR THE DETAILS OF YOUR FLIGHT--")

query3 = "SELECT \* FROM FLIGHTS WHERE AIRLINES\_NAME = '{}' AND DEPARTURE = '{}' AND DESTINATION = '{}' ".format(fly, departure, arrival)

my\_cursor.execute(query3)

for c in my\_cursor:

return print(c)

if ans==2:

flight\_data()

con = input("\nWOULD YOU LIKE TO CONTINUE (Y/N):-")

while True:

if con=='n' or con=='N' or con=='no' or con=='NO':

flight\_data()

else:

break

passenger = int(input("\nENTER A NUMBER OF PASSANGERS:-"))

nam=[]

ag=[]

gen=[]

def pass\_data():

name = input("\nENTER A NAME OF A PASSENGER:-")

age = int(input(f"\nENTER THE AGE OF {name}:-"))

gender = input("\nMALE/FEMALE:-")

nam.append(name)

ag.append(age)

gen.append(gender)

with open('userdata.csv', 'a', newline='') as csvfile:

csvwriter = DictWriter(csvfile, fieldnames=['name', 'age', 'gender'])

csvwriter.writeheader()

csvwriter.writerow({'name':name, 'age':age, 'gender':gender})

return print("\n-------DATA ENTERED SUCCESSFULLY-------")

for d in range(passenger):

pass\_data()

def read\_csv():

with open('userdata.csv') as csvreader:

reader = DictReader(csvreader)

for row in reader:

print(row)

os.remove(r'userdata.csv')

return print("------------------------------------")

read\_csv()

print("\nCHECK YOUR DETAILS----")

ch = input("\nDO YOU WANT TO CONTINUE (Y/N):-")

while True:

if ch=='n' or ch=='N' or ch=='no' or ch=='NO':

for e in range(passenger):

pass\_data()

read\_csv()

else:

break

print("\nCHOOSE THE CLASS YOU WANT:-")

print("1.ECONOMY CLASS")

print("2.BUSINESS CLASS (+20% CHARGES)")

print("3.FIRST CLASS (+40% CHARGES)")

flo = []

tdep = []

tarr= []

def fl\_nm():

query4 = "SELECT FLIGHT\_NO FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query4)

for f in my\_cursor:

flo.append(f)

query5 = "SELECT TIME\_OF\_DEPARTURE FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query5)

for g in my\_cursor:

tdep.append(g)

query6 = "SELECT TIME\_OF\_ARRIVAL FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query6)

for h in my\_cursor:

tarr.append(h)

an = []

de = []

ds = []

td = []

ta = []

def fl\_no():

query7 = "SELECT AIRLINES\_NAME FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(num)

my\_cursor.execute(query7)

for i in my\_cursor:

an.append(i)

query8 = "SELECT DEPARTURE FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(num)

my\_cursor.execute(query8)

for j in my\_cursor:

de.append(j)

query9 = "SELECT DESTINATION FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(num)

my\_cursor.execute(query9)

for k in my\_cursor:

ds.append(k)

query10 = "SELECT TIME\_OF\_DEPARTURE FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(num)

my\_cursor.execute(query10)

for l in my\_cursor:

td.append(l)

query11 = "SELECT TIME\_OF\_ARRIVAL FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(num)

my\_cursor.execute(query11)

for m in my\_cursor:

ta.append(m)

cl = int(input("\nENTER CLASS NO (1/2/3):-"))

payment = []

if ans==1 and cl==1:

fl\_no()

query12 = "SELECT CHARGES\*{} FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format(passenger, num)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {an} departure = {de} destination = {ds}")

print(f"flight number = {num} diparture time = {td} arrival time = {ta} ")

print("class = economy class")

for n in my\_cursor:

payment.append(n)

print(f"\nYOU HAVE TO PAY {n} RUPEES")

elif ans==1 and cl==2:

fl\_no()

query13 = "SELECT (CHARGES +CHARGES\*0.2)\*{} FROM FLIGHTS WHERE flight\_no = '{}' ".format (passenger, num)

my\_cursor.execute(query13)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {an} departure = {de} destination = {ds}")

print(f"flight number = {num} diparture time = {td} arrival time = {ta} ")

print("class = business class")

for o in my\_cursor:

payment.append(o)

print(f"\nYOU HAVE TO PAY {o} RUPEES")

elif ans==1 and cl==3:

fl\_no()

query14 = "SELECT (CHARGES +CHARGES\*0.4)\*{} FROM FLIGHTS WHERE FLIGHT\_NO = '{}'".format (passenger, num)

my\_cursor.execute(query14)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {an} departure = {de} destination = {de}")

print(f"flight number = {num} diparture time = {td} arrival time = {ta} ")

print("class = first class")

for p in my\_cursor:

payment.append(p)

print(f"\nYOU HAVE TO PAY {p} RUPEES")

elif ans==2 and cl==1:

fl\_nm()

query15 = "SELECT CHARGES\*{} FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (passenger, fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query15)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {fli} departure = {deplo} destination = {arrlo}")

print(f"flight number = {flo} diparture time = {tdep} arrival time = {tarr} ")

print("class = economy class")

for q in my\_cursor:

payment.append(q)

print(f"\nYOU HAVE TO PAY {q} RUPEES")

elif ans==2 and cl==2:

fl\_nm()

query16 = "SELECT (CHARGES +CHARGES\*0.2)\*{} FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (passenger, fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query16)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {fli} departure = {deplo} destinatio = {arrlo}")

print(f"flight number = {flo} diparture time = {tdep} arrival time = {tarr} ")

print("class = business class")

for r in my\_cursor:

payment.append(r)

print(f"\nYOU HAVE TO PAY {r} RUPEES")

elif ans==2 and cl==3:

fl\_nm()

query17 = "SELECT (CHARGES +CHARGES\*0.4)\*{} FROM FLIGHTS WHERE airlines\_name = '{}' and DEPARTURE = '{}' and DESTINATION = '{}' ".format (passenger, fli[0], deplo[0], arrlo[0])

my\_cursor.execute(query17)

print(f"\nnames = {nam} age = {ag} gender = {gen}")

print(f"flight name = {fli} departure = {deplo} destination = {arrlo}")

print(f"flight number = {flo} diparture time = {tdep} arrival time = {tarr} ")

print("class = first class")

for s in my\_cursor:

payment.append(s)

print(f"\nYOU HAVE TO PAY {s} RUPEES")

pay = input("\nTO PAY PRESS (P):-")

if pay=='p' or pay=='P':

print("\nHOW YOU WANT TO PAY ?")

print("1.GOOGLE PAY")

print("2.AMAZON PAY")

print("3.PAYPAL")

print("4.APPLE PAY")

print("5.CREDIT CARD")

print("6.DEBIT CARD")

print("7.BANK TRANSFER")

pay2 = int(input("\nENTER YOUR PAYMENT METHOD (1/2/3/4........):-"))

if pay2==1:

print("\n-------------------GOOGLE PAY---------------------------")

print(F"PAY {payment[0]} RUPEES")

pay3 = input("\nTO CONTINUE PAYMENT PRESS (P):-")

ott = int(input("\nENTER A OTP SENT TO YOUR PHONE NO AND EMAIL:-"))

print("\nTRANSACTION SUCCESSFUL------------")

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

if pay2==2:

print("\n-------------------AMAZON PAY---------------------------")

print(F"PAY {payment[0]} RUPEES")

pay3 = input("\nTO CONTINUE PAYMENT PRESS (P):-")

ott = int(input("\nENTER A OTP SENT TO YOUR PHONE NO AND EMAIL:-"))

print("\nTRANSACTION SUCCESSFUL------------")

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

if pay2==3:

print("\n-------------------PAYPAL---------------------------")

print(F"PAY {payment[0]} RUPEES")

pay3 = input("\nTO CONTINUE PAYMENT PRESS (P):-")

ott = int(input("\nENTER A OTP SENT TO YOUR PHONE NO AND EMAIL:-"))

print("\nTRANSACTION SUCCESSFUL------------")

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

if pay2==4:

print("\n-------------------APPLE PAY---------------------------")

print(F"PAY {payment[0]} RUPEES")

pay3 = input("\nTO CONTINUE PAYMENT PRESS (P):-")

ott = int(input("\nENTER A OTP SENT TO YOUR PHONE NO AND EMAIL:-"))

print("\nTRANSACTION SUCCESSFUL------------")

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

if pay2==5 or pay2==6:

print("\n-------------------CARD payment---------------------------")

print(F"PAY {payment[0]} RUPEES")

c\_no = int(input("\nENTER YOUR CARD NO:-"))

cvv = int(input("\nENTER YOUR CVV:-"))

ott2 = int(input("\nENTER A OTP SEND TO YOUR NUMBER:-"))

print("\nTRANSACTION SUCCESSFUL------------")

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

print("\n--------THANKS FOR USING FLIGHT BOOKING SYSTEM--------------")

print(f"\nYOUR TICKETS ARE SEND TO YOUR EMAIL {e[0]} ")

print("\nSEE YOU LATER :)")

conn.close()