import mysql.connector

mydb = mysql.connector.connect(

host = "localhost",

user = "root",

password = "",

database = "delhimetrosystem"

)

mycursor = mydb.cursor()

flag = True

def admin():

print("What do you want to do? \n 1. Add station \n 2. Update station \n 3. Delete station \n 4. Show stations \n 5. Add passeneger \n 6. Recharge Card \n 7. Delete passenger \n 8. Show passengers")

inp3 = int(input("Enter your choice: "))

if (inp3 == 1):

Station\_id = input("Enter Station\_id: ")

Station\_number = input("Enter Station\_number: ")

Station\_name = input("Enter Station\_name: ")

Distance = input("Enter Distance: ")

s1 = "insert into station (station\_id, station\_no, station\_name, distance) values (%s,%s,%s,%s)"

b1 = (Station\_id, Station\_number, Station\_name, Distance)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Station added successfully")

except:

print("error")

elif (inp3 == 2):

Station\_id = input("Enter Station\_id: ")

Station\_number = input("Update Station\_number: ")

Station\_name = input("Update Station\_name: ")

Distance = input("Update Distance: ")

s1 = "update station set station\_no = %s , station\_name = %s, distance = %s where station\_id = %s"

b1 = (Station\_number,Station\_name, Distance, Station\_id)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Data updated successfully")

except:

print("error")

elif (inp3 == 3):

Station\_id = input("Enter Station\_id: ")

s1 = "delete from station where station\_id = %s"

b1 = (Station\_id,)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Data deleted successfully")

except:

print("error")

elif (inp3 == 4):

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

record = mycursor.fetchall()

for i in record:

print(i)

elif (inp3 == 5):

Card\_id = input("Enter Card\_id: ")

Passenger\_name = input("Passenger\_name: ")

Phone\_number = input("Phone\_number: ")

Amount = int(input("Enter Balance: "))

s1 = "insert into card (card\_id, Name, Phone, Amount) values (%s,%s,%s,%s)"

b1 = (Card\_id, Passenger\_name, Phone\_number, Amount)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Passenger added successfully")

except:

print("error")

elif (inp3 == 6):

Card\_id = input("Enter Card\_id: ")

Amount = int(input("Enter Balance: "))

s1 = "update card set Amount = Amount + %s where card\_id = %s"

b1 = (Amount, Card\_id)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Recharge done successfully")

except:

print("error")

elif (inp3 == 7):

Card\_id = input("Enter Card\_id: ")

s1 = "delete from card where card\_id = %s"

b1 = (Card\_id,)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Data deleted successfully")

except:

print("error")

elif (inp3 == 8):

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

record = mycursor.fetchall()

for i in record:

print(i)

def card():

print("What do you want to do?\n 1. Check Fair \n 2. Check Balance \n 3. Book Journey")

inp4 = int(input("Enter your choice: "))

def fair\_check(x,y):

if (x-y < 5):

fair = 20

elif (x-y >= 5 and x-y <10):

fair = 30

elif (x-y >= 10 and x-y < 15):

fair = 40

elif (x-y >= 15 and x-y <20):

fair = 50

elif (x-y >= 20):

fair = 60

return fair

def check\_balance(card\_num):

sc = "select Amount from card where card\_id = %s"

bc = (card\_num,)

mycursor.execute(sc,bc)

res = mycursor.fetchone()

bal = res[0]

return bal

try:

if (inp4 == 1):

in\_station = input("Enter your source: ")

sx = "select station\_no from station where station\_name = %s"

bx = (in\_station,)

mycursor.execute(sx,bx)

resx = mycursor.fetchone()

x = resx[0]

print("Where do you want to go?\n 1. Towards Janakpuri West \n 2. Towards Botanical Garden")

inp5 = int(input())

out\_station = input("Enter your destination: ")

sy = "select station\_no from station where station\_name = %s"

by = (out\_station,)

mycursor.execute(sy,by)

resy = mycursor.fetchone()

y = resy[0]

if (inp5 == 1):

print(fair\_check(x,y))

elif (inp5 == 2):

print(fair\_check(y,x))

else:

print("Please select right options")

elif (inp4 == 2):

card\_num = input("Enter card number: ")

print(check\_balance(card\_num))

elif (inp4 == 3):

card\_no = input("Enter card number: ")

balance = check\_balance(card\_no)

if (balance < 20):

print("Insufficient Balance. Contact Admin. Inconvenience Regretted")

else:

in\_station = input("Enter your source: ")

sx = "select station\_no from station where station\_name = %s"

bx = (in\_station,)

mycursor.execute(sx,bx)

resx = mycursor.fetchone()

x = resx[0]

print("Where do you want to go?\n 1. Towards Janakpuri West \n 2. Towards Botanical Garden")

inp5 = int(input())

out\_station = input("Enter your destination: ")

sy = "select station\_no from station where station\_name = %s"

by = (out\_station,)

mycursor.execute(sy,by)

resy = mycursor.fetchone()

y = resy[0]

if (inp5 == 1):

price = fair\_check(x,y)

print("Total fair is : ",price)

s1 = "update card set Amount = Amount - %s where card\_id = %s"

b1 = (price, card\_no)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Journey booked successfully")

s2 = "select Amount from card where card\_id = %s"

b2 = (card\_no,)

mycursor.execute(s2,b2)

res2 = mycursor.fetchone()

print("The remianing balance of the card is: ",res2[0])

except:

print("error")

elif (inp5 == 2):

price = fair\_check(y,x)

print("Total fair is : ",price)

s1 = "update card set Amount = Amount - %s where card\_id = %s"

b1 = (price, card\_no)

try:

mycursor.execute(s1,b1)

mydb.commit()

print("Journey booked successfully")

s2 = "select Amount from card where card\_id = %s"

b2 = (card\_no,)

mycursor.execute(s2,b2)

res2 = mycursor.fetchone()

print("The remianing balance of the card is: ",res2[0])

except:

print("error")

else:

print("Please select right options")

else:

print("Please choose correct option")

except:

print("error")

while flag:

inp1 = int(input("Who are you: \n 1) Admin \n 2) Passenger \n 3)Exit\n"))

if(inp1 == 1):

inp2 = input("Enter admin id: ")

inp7 = input("Enter password: ")

sp = "select password from admin where adm\_id = %s"

bp = (inp2,)

try:

mycursor.execute(sp,bp)

xv = mycursor.fetchone()

if(inp7 == xv[0]):

admin()

else:

("Sorry wrong input")

except:

print("error")

elif (inp1 == 2):

card()

elif (inp1 == 3):

flag = False