**BUS MANAGEMENT SYSTEM CODE**

#bus management system

print("\*\*\*BUS BOOKING SYSTEM\*\*\*")

import MySQLdb

mydb=MySQLdb.connect(host="localhost",user="root",passwd="Shreya")

mycursor=mydb.cursor()

mycursor.execute("create database if not exists bus")

mycursor.execute("use bus")

#creating required tables

mycursor.execute("create table if not exists bus\_info(busno char(4) primary key,departuretime float(5),arrivaltime float(5),source char(10),destination char(10))")

mydb.commit()

mycursor.execute("create table if not exists passengerinfo(busno char (4),seatno int(3),pname varchar(30),dot date,foreign key(busno) references bus\_info(busno))")

mydb.commit()

def install():

busno=input("enter bus no")

departuretime=float(input("enter dtime"))

arrivaltime=float(input("enter atime"))

source=input("enter station from")

destination=input("enter station to")

mycursor.execute("insert into bus\_info values('"+busno+"','"+str(departuretime)+"','"+str(arrivaltime)+"','"+source+"','"+destination+"')")

mydb.commit()

print("bus record added")

def reservation():

busno=input("enter bus no")

seatno=int(input("enter seat no less than 32"))

passengername=input("enter passenger name")

dot=str(input("enter date of travel in yyyy-mm-dd format"))

mycursor.execute("insert into passengerinfo values('"+busno+"','"+str(seatno)+"','"+passengername+"','"+dot+"')")

mydb.commit()

print("passenger information added")

def busavailable():

mycursor.execute("select \* from bus\_info")

for i in mycursor:

print(i)

def showreservation():

mycursor.execute("select \* from bus\_info,passengerinfo where bus\_info.busno = passengerinfo.busno")

for i in mycursor:

print(i)

def cancelreservation():

busno=input("enter bus no")

mycursor.execute("delete from passengerinfo where busno = '"+busno+"'")

mydb.commit()

print("record deleted")

while True:

print("1. install")

print("2. reservation")

print("3. busavailable")

print("4. showreservation")

print("5. cancelreservation")

print("6. exit")

ch=int(input("enter choice"))

if ch==1:

install()

elif ch==2:

reservation()

elif ch==3:

busavailable()

elif ch==4:

showreservation()

elif ch==5:

cancelreservation()

else:

print("Exit")

break