import mysql.connector

db1 = None

def connect():

global db1

db1 = mysql.connector.connect(host="localhost",user="root",

password="Aaru13",

database = "Covid\_Vac")

def showusers():

c1 = db1.cursor()

c1.execute("select \* from users")

res = c1.fetchall()

#print(res)

print("List of Users ")

for val in res:

print("UserName = "+val[0] + " Password = " + val[1])

def login():

print("-" \* 50)

print("\t COVID VACCINATION RECORD")

print("-" \* 50)

print("\t LOGIN")

un = input("Enter User Name : ")

pw = input("Enter Password : ")

q = "select \* from users where username = %s and passw = %s"

val = (un,pw)

c2 = db1.cursor()

c2.execute(q,val)

res = c2.fetchall()

print("-" \* 50)

if len(res) == 0:

print("Invalid User Name or Password ")

print("-" \* 50)

return False

else:

print("Access Granted !!!")

print("-" \* 50)

return True

def addmember():

ad = input("Enter Aadhar card no. : ")

name = input("Enter Member Name : ")

addr = input("Enter Address : ")

phone = input("Enter Phone Number : ")

email = input("Enter Email :")

age = input("Enter Age of member : ")

cursor1 = db1.cursor()

q = "insert into member values (%s,%s,%s,%s,%s,%s)"

val = (ad,name,addr,phone,email,age)

cursor1.execute(q,val)

db1.commit()

print("Member Added Successfully")

def showmembers():

c1 = db1.cursor()

c1.execute("select \* from member")

res = c1.fetchall()

#print(res)

print("List of Members ")

for val in res:

print("Name = "+val[1] + " Aadhar Card= " + val[0])

def addvaccination():

ad = input("Enter Aadhar card no. : ")

name = input("Enter Vaccination Name : ")

d = input("Enter 1 for Dose 1 , 2 for Dose 2 : ")

dt = input("Enter the date of Vaccination : ")

c2 = db1.cursor()

if d == "1":

q = "insert into vaccination values(%s,%s,%s,NULL)"

val = (ad,name,dt)

c2.execute(q,val)

db1.commit()

print("Vaccination Record Added Successfully")

elif d == "2":

q = "update vaccination set dose2=%s where aadharno=%s"

val =(dt,ad)

c2.execute(q,val)

db1.commit()

print("Vaccination Record Updated Successfully")

else:

print("Invalid Input, please try again")

def showvaccin():

c1 = db1.cursor()

c1.execute("select \* from vaccination,member where vaccination.aadharno=member.aadharno")

res = c1.fetchall()

#print(res)

print("List of Vaccinated Members ")

print("-"\*40)

print("Name\tVaccine\tAadhar No\tDose1\tDose2")

print("-"\*40)

for val in res:

print(val[5],"\t",val[1] , "\t" , val[0],"\t",val[2],"\t",val[3])

def shownotvaccinated():

c1 = db1.cursor();

c1.execute("Select \* from member where aadharno not in (select aadharno from vaccination)")

res = c1.fetchall()

print("List of Not Vaccinated Members ")

print("-"\*40)

print("Name\tAadhar No\tPhone\tAddress\tEmail")

print("-"\*40)

for val in res:

print(val[1],"\t",val[0] ,"\t",val[3],"\t",val[2],"\t",val[4])

def showduevaccine():

c1 = db1.cursor()

c1.execute("select \* from vaccination,member where vaccination.aadharno=member.aadharno and dose2 is null")

res = c1.fetchall()

#print(res)

print("List of Members Whose Dose2 is due ")

print("-"\*40)

print("Name\tVaccine\tAadhar No\tDose1\tDose2")

print("-"\*40)

for val in res:

print(val[5],"\t",val[1] , "\t" , val[0],"\t",val[2],"\t",val[3])

connect()

print("Connected")

if login():

while True:

print("-" \* 50)

print("\t CHOOSE AN OPERATION ")

print("-" \* 50)

print("Press 1 - Add a New Society Member")

print("Press 2 - Add a Vaccination Record")

print("Press 3 - Show all Members")

print("Press 4 - Show All Vaccinated Members")

print("Press 5 - Show Whose Vaccination is Due")

print("Press 6 - Show Who are not at all Vaccinated")

print("Press 7 - Quit")

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

if ch == 1:

addmember()

elif ch == 2:

addvaccination()

elif ch == 3:

showmembers()

elif ch == 4:

showvaccin()

elif ch == 5:

showduevaccine()

elif ch == 6:

shownotvaccinated()

elif ch == 7:

break