import pymysql as db  
  
  
conn=db.connect("127.0.0.1","root","pass@123","database1")  
cur=conn.cursor()  
  
def viewemployee(cur):  
 qry="select \* from employee"  
 cur.execute(qry)  
 rs=cur.fetchall()  
 print("userName\tuserPass\tuserType\tfullName\tphone\temail\tstatus\n----------------------")  
 for rows in rs:  
 print("{}\t{}\t{}\t{}\t{}\t{}\t{}".format(\*rows))  
  
def viewprospect(cur):  
 qry="select \* from prospect"  
 cur.execute(qry)  
 rs=cur.fetchall()  
 print("prospId\tprospName\tprosPhone\tprospAddress\tinterestedModel\tinterestedColor\tdateOfVisit\thotness\n----------------------")  
 for rows in rs:  
 print("{}\t{}\t{}\t{}\t{}\t{}\t{}\t{}".format(\*rows))  
   
#Login  
print("Enter username and password to login:")  
userName=input("Enter username")  
userPass=input("Enter Password")  
cur=conn.cursor()  
qry="select \* from employee where userName=%s and userPass=%s"  
cur.execute(qry,(userName,userPass))  
result=cur.fetchall()  
  
if result:  
 userType=input("Enter your user type")  
 cur=conn.cursor()  
 qry="select \* from employee where userName=%s and userPass=%s and userType=%s"  
 cur.execute(qry,(userName,userPass,userType))  
 res=cur.fetchall()  
 if res:  
 if userType=="admin":  
 val=int(input("Enter value 1 for Admin module and 2 for Monitor module"))  
 if val==1:  
  
 while(True):  
 print("Admin Module Access")  
 print("""\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADMIN MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 1) Create User Account  
 a) Monitor b)Admin  
 2)View All User(Employees)  
 3) View All Prospects  
 4) Change Password  
 a) Self b)Others  
 5) Search Prospect  
 a)By Hotness b) By Prospect Id  
 6)Activate/Deactivate Account  
 7) Sign Out  
 """)  
 choice=int(input("Enter your Choice"))  
 if choice==1:  
 #User Account Creation  
 num=int(input("no of records:"))  
 for i in range(num):  
 userName=input("user name:")  
 userPass =input("Enter Password:")  
 userType =input("Type of user:")  
 fullName=input("Enter full name:")  
 phone =input("Enter phone number:")  
 email =input("Email Id ")  
 status =input("Enter status of employee(Activated or Deactivated):")  
  
 qry="insert into employee values(%s,%s,%s,%s,%s,%s,%s)"  
 cur.execute(qry,(userName,userPass,userType,fullName,phone,email,status))  
 print("\n")  
 conn.commit()  
 viewemployee(cur)  
 elif choice==2:  
 #view all employee  
 print("view users")  
 cur=conn.cursor()  
 qry="select \* from employee"  
 cur.execute(qry,)  
 result=cur.fetchall()  
 for i in result:  
 print(i)  
 conn.commit()  
 elif choice==3:  
 #view all prospect  
 print("view prospect")  
 cur=conn.cursor()  
 qry="select \* from prospect"  
 cur.execute(qry,)  
 res=cur.fetchall()  
 for i in res:  
 print(i)  
 conn.commit()  
 elif choice ==4:  
 #Change Password  
 print("Change Password")  
 userName=input("Enter Username")  
 userPass=input("Enter New Password ")  
 cur=conn.cursor()  
 qry="update employee set userPass=%s where userName=%s"  
 cur.execute(qry,(userPass,userName))  
 conn.commit()  
 viewemployee(cur)  
 elif choice==5:  
 #Search Prospect  
 print("Enter either by hotness or ProspectId")  
 value=input("Enter h for hotness or p for prospId")  
 if value=='h':  
 hotness=input("Enter hotness of customer")  
 cur=conn.cursor()  
 qry="select \* from prospect where hotness=%s"  
 cur.execute(qry,(hotness))  
 res=cur.fetchall()  
 print(res)  
 conn.commit()  
 elif value =='p':  
 prospId=input("Enter prospect Id")  
 cur=conn.cursor()  
 qry="select \* from prospect where prospId=%s"  
 cur.execute(qry,(prospId))  
 res=cur.fetchone()  
 print(res)  
 conn.commit()  
 else:  
 print("!!! Invalid Choice!!!")  
 elif choice==6:  
 #Status of Account  
 print("Activate or Deactivate Account")  
 userName=input("Enter User Name")  
 status=input("Change Status of Account as per your choice")  
 cur=conn.cursor()  
 qry="update employee set Status=%s where userName=%s"  
 cur.execeute(qry,(Status,userName))  
 conn.commit()  
 viewemployee(cur)  
 elif choice==7:  
 #Sign Out  
 print("You have sucessfully signed out")  
 break  
 else:  
 print("!!! Invalid Choice!!!")  
 elif val==2:  
  
 while(True):  
 print("Employee Module Access")  
 print("""\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EMPLOYEE MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Login  
 1)Add New Prospect  
 2)View All Prospeect  
 3)Update Prospect  
 a) -Phone b)-Model c)-Colour d)-Hotness  
 4)Search  
 a)By Hotness b) By Prospect Id  
 5)Change Own paasword  
 6)Sign Out  
 """)  
 choice=int(input("Enter Choice"))  
 if choice==1:  
 #Add New Prospect  
 num=int(input("enter no. of records you wanna enter"))  
 for i in range(num):  
 prospId=input("enter prospect id:")  
 prospName =input("Enter name:")  
 prospPhone =input("Enter phone number:")  
 prospAddress=input("Enter address:")  
 interestedModel =input("Enter interested model:")  
 interestedColor =input("Enter interested color")  
 dateOfVisit =input("Enter date of visit:")  
 hotness=input("enter hotness as 1) cold,2)warm,3)hot:")  
  
 qry="insert into prospect values(%s,%s,%s,%s,%s,%s,%s,%S)"  
 cur.execute(qry,(prospId,prospName,prospPhone,prospAddress,interestedModel,interestedColor,dateOfVisit,hotness))  
 print("\n")  
 conn.commit()  
 viewprospect(cur)  
 elif choice==2:  
 #View All Prospect  
 print("view prospect")  
 cur=conn.cursor()  
 qry="select \* from prospect"  
 cur.execute(qry)  
 res=cur.fetchall()  
 for i in res:  
 print(i)  
 conn.commit()  
 elif choice==3:  
 #update prospect  
 print("update prospect")  
 prospId=input("Enter prospId")  
 prospPhone=input("Enter new phone number")  
 interestedModel=input("Enter model of car")  
 interestedColour=input("Enter colour of car")  
 hotness=input("Enter hotness of customer")  
  
  
 cur=conn.cursor()  
 qry="update prospect set prospPhone=%s,interestedModel=%s,interestedColour=%s,hotness=%s where prospId=%s"  
 cur.execute(qry,(prospPhone,interestedModel,interestedColour,hotness,prospId))  
 conn.commit()  
 elif choice==4:  
 #Search Prospect  
 print("Enter either by hotness or ProspectId")  
 value=input("Enter h for hotness or p for prospId")  
 if value=='h':  
 hotness=input("Enter hotness of customer")  
 cur=conn.cursor()  
 qry="select \* from prospect where hotness=%s"  
 cur.execute(qry,(hotness))  
 res=cur.fetchall()  
 print(res)  
 conn.commit()  
 elif value =='p':  
 prospId=input("Enter prospect Id")  
 cur=conn.cursor()  
 qry="select \* from prospect where prospId=%s"  
 cur.execute(qry,(prospId))  
 res=cur.fetchone()  
 print(res)  
 conn.commit()  
 else:  
 print("!!! Invalid Choice!!!")  
 elif choice==5:  
 #change password  
 print("Change Password")  
 userName=input("Enter Username")  
 userPass=input("Enter New Password ")  
 cur=conn.cursor()  
 qry="update employee set userPass=%s where userName=%s"  
 cur.execute(qry,(userPass,userName))  
 conn.commit()  
 viewemployee(cur)  
 elif choice==6:  
 #Sign Out  
 print("You Have Signed Out")  
 break  
 else:  
 print("!!!Invalid Choice!!!")  
 continue  
 else:  
 print("!!!Invalid Choice!!!")  
 elif userType=="employee":  
  
 while(True):  
 print("Employee Module Access")  
 print("""\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EMPLOYEE MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Login  
 1)Add New Prospect  
 2)View All Prospeect  
 3)Update Prospect  
 a) -Phone b)-Model c)-Colour d)-Hotness  
 4)Search  
 a)By Hotness b) By Prospect Id  
 5)Change Own paasword  
 6)Sign Out  
 """)  
 choice=int(input("Enter Choice"))  
 if choice==1:  
 #Add New Prospect  
 num=int(input("enter no. of records you wanna enter"))  
 for i in range(num):  
 prospId=input("enter prospect id:")  
 prospName =input("Enter name:")  
 prospPhone =input("Enter phone number:")  
 prospAddress=input("Enter address:")  
 interestedModel =input("Enter interested model:")  
 interestedColor =input("Enter interested color")  
 dateOfVisit =input("Enter date of visit:")  
 hotness=input("enter hotness as 1) cold,2)warm,3)hot:")  
  
 qry="insert into prospect values(%s,%s,%s,%s,%s,%s,%s,%s)"  
 cur.execute(qry,(prospId,prospName,prospPhone,prospAddress,interestedModel,interestedColor,dateOfVisit,hotness))  
 print("\n")  
 conn.commit()  
 viewprospect(cur)  
 elif choice==2:  
 #View All Prospect  
 print("view prospect")  
 cur=conn.cursor()  
 qry="select \* from prospect"  
 cur.execute(qry,)  
 res=cur.fetchall()  
 for i in res:  
 print(i)  
 conn.commit()  
 elif choice==3:  
 #update prospect  
 print("update prospect")  
 prospId=input("Enter prospId")  
 prospPhone=input("Enter new phone number")  
 interestedModel=input("Enter model of car")  
 interestedColour=input("Enter colour of car")  
 hotness=input("Enter hotness of customer")  
  
  
 cur=conn.cursor()  
 qry="update prospect set prospPhone=%s,interestedModel=%s,interestedColour=%s,hotness=%s where prospId=%s"  
 cur.execute(qry,(prospPhone,interestedModel,interestedColour,hotness,prospId))  
 conn.commit()  
 elif choice==4:  
 #Search Prospect  
 print("Enter either by hotness or ProspectId")  
 value=input("Enter h for hotness or p for prospId")  
 if value=='h':  
 hotness=input("Enter hotness of customer")  
 cur=conn.cursor()  
 qry="select \* from prospect where hotness=%s"  
 cur.execute(qry,(hotness))  
 res=cur.fetchall()  
 print(res)  
 conn.commit()  
 elif value=='p':  
 prospId=input("Enter prospect Id")  
 cur=conn.cursor()  
 qry="select \* from prospect where prospId=%s"  
 cur.execute(qry,(prospId))  
 res=cur.fetchone()  
 print(res)  
 conn.commit()  
 else:  
 print("!!! Invalid Choice!!!")  
 elif choice==5:  
 #change password  
 print("Change Password")  
 userName=input("Enter Username")  
 userPass=input("Enter New Password ")  
 cur=conn.cursor()  
 qry="update employee set userPass=%s where userName=%s"  
 cur.execute(qry,(userPass,userName))  
 conn.commit()  
 viewemployee(cur)  
 elif choice==6:  
 #Sign Out  
 print("You Have Signed Out")  
 break  
 else:  
 print("!!!Invalid Choice!!!")  
 continue  
 else:  
 print("!!!Invalid Choice!!!")  
else:  
 print("Invalid")  
   
   
cur.close()  
conn.commit()  
conn.close()

OUTPUT

C:\Users\saura\PycharmProjects\untitled1\venv\Scripts\python.exe C:/Users/saura/Downloads/prospect.py

Enter username and password to login:

Enter usernameneha

Enter Password1234

Enter your user typeadmin

Enter value 1 for Admin module and 2 for Monitor module1

Admin Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADMIN MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1) Create User Account

a) Monitor b)Admin

2)View All User(Employees)

3) View All Prospects

4) Change Password

a) Self b)Others

5) Search Prospect

a)By Hotness b) By Prospect Id

6)Activate/Deactivate Account

7) Sign Out

Enter your Choice2

view users

('chandu', '1234', 'employee', 'chandrakant gaikwad', '7484338384', 'chandu@gmail.com', 'activated')

('neha', '1234', 'admin', 'neha jagtap', '8817291712', 'neha@gmail.com', 'activated')

('praju', '1234', 'admin', 'prajakta raskar', '9898272223', 'praju@gmail.com', 'activated')

('rushi', '1234', 'employee', 'rushikesh meher', '8984743987', 'rushi@gmail.com', 'activated')

('saurab', '1234', 'admin', 'saurabh jha', '3434343434', 'saurabh@gmail.com', 'activated')

('shub', '1234', 'employee', 'shubham kadam', '7474747634', 'shubham@gmail.com', 'activated')

Admin Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADMIN MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1) Create User Account

a) Monitor b)Admin

2)View All User(Employees)

3) View All Prospects

4) Change Password

a) Self b)Others

5) Search Prospect

a)By Hotness b) By Prospect Id

6)Activate/Deactivate Account

7) Sign Out

Enter your Choice3

view prospect

(1, 'rajwardhan shelar', '3454545323', 'baramati', 'ciaz 2019', 'white', datetime.date(2014, 11, 18), 'warm')

(2, 'saurabh gade', '9839228392', 'malegaon', 'swift desire', 'matte blue', datetime.date(2020, 9, 19), 'hot')

Admin Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADMIN MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1) Create User Account

a) Monitor b)Admin

2)View All User(Employees)

3) View All Prospects

4) Change Password

a) Self b)Others

5) Search Prospect

a)By Hotness b) By Prospect Id

6)Activate/Deactivate Account

7) Sign Out

Enter your Choice5

Enter either by hotness or ProspectId

Enter h for hotness or p for prospIdh

Enter hotness of customerhot

((2, 'saurabh gade', '9839228392', 'malegaon', 'swift desire', 'matte blue', datetime.date(2020, 9, 19), 'hot'),)

Admin Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ADMIN MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1) Create User Account

a) Monitor b)Admin

2)View All User(Employees)

3) View All Prospects

4) Change Password

a) Self b)Others

5) Search Prospect

a)By Hotness b) By Prospect Id

6)Activate/Deactivate Account

7) Sign Out

Enter Choice7

view prospect

(1, 'rajwardhan shelar', '3454545323', 'baramati', 'ciaz 2019', 'white', datetime.date(2014, 11, 18), 'warm')

(2, 'saurabh gade', '9839228392', 'malegaon', 'swift desire', 'matte blue', datetime.date(2020, 9, 19), 'hot')

Employee Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EMPLOYEE MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Login

1)Add New Prospect

2)View All Prospeect

3)Update Prospect

a) -Phone b)-Model c)-Colour d)-Hotness

4)Search

a)By Hotness b) By Prospect Id

5)Change Own paasword

6)Sign Out

Enter Choice8

enter no. of records you wanna enter1

enter prospect id:5

Enter name:suraj

Enter phone number:876565689

Enter address:baramati

Enter interested model:maruti suzuki

Enter interested color

Enter date of visit:13/12/19

enter hotness as 1) cold,2)warm,3)hot:warm

prospId prospName prosPhone prospAddress interestedModel interestedColor dateOfVisit hotness

----------------------

1 rajwardhan shelar 3454545323 baramati ciaz 2019 white 2014-11-18 warm

2 saurabh gade 9839228392 malegaon swift desire matte blue 2020-09-19 hot

5 suraj 876565689 baramati maruti suzuki 2013-12-19 warm

Employee Module Access

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EMPLOYEE MODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Login

1)Add New Prospect

2)View All Prospeect

3)Update Prospect

a) -Phone b)-Model c)-Colour d)-Hotness

4)Search

a)By Hotness b) By Prospect Id

5)Change Own paasword

6)Sign Out

Enter Choice9

You Have Signed Out

Process finished with exit code 0