##hospital management software @cbsepython.in

##PRINTING WELCOME NOTE

while(True):

print("""

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WELCOME TO MYHOSPITAL

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""")

##creating database connectivity

import mysql.connector

passwd=str(input("ENTER THE DATABASE PASSWORD;"))

mysql=mysql.connector.connect(host="localhost",user="root",passwd="admin")

mycursor=mysql.cursor()

#creating database

mycursor.execute("create database if not exists my\_hospitals")

mycursor.execute("use my\_hospitals")

#creating the tables we need

mycursor.execute("create table if not exists patient\_details(puid int(10) primary key,name varchar(30) not null,age int(3),address varchar(50),doctor\_recommended varchar(30))")

mycursor.execute("create table if not exists doctor\_details(name varchar(30) primary key,specialisation varchar(40),age int(2),address varchar(30),contact varchar(15),fees int(10),monthly\_salary int(10))")

mycursor.execute("create table if not exists nurse\_details(name varchar(30) primary key,age int(2),address varchar(30),contact varchar(15),monthly\_salary int(10))")

mycursor.execute("create table if not exists other\_workers\_details(name varchar(30) primary key,age int(2),address varchar(30),contact varchar(15),monthly\_salary int(10))")

#login or signup option

#creating table for storing the username and password of the user

mycursor.execute("create table if not exists user\_data(username varchar(30) primary key,password varchar(30) default'000')")

#printing option

while(True):

print("""

1. SIGN IN (LOGIN)

2. SIGN UP (REGISTER)

""")

r=int(input("enter your choice:"))

#IF USER WANTS TO REGISTER

if r==2:

print("""

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!!!!!!!PLEASE REGISTER YOURSELF!!!!!!!!

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""")

u=input("ENTER YOUR PREFERRED USERNAME!!:")

p=input("ENTER YOUR PREFERRED PASSWORD (PASSWORD SHOULD BE STRONG!!!:")

#ENTERING THE ENTERED VALUE TO THE USER\_DATA TABLE

mycursor.execute("insert into user\_data values('"+u+"','"+p+"')")

mysql.commit()

print("""

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!!!!!!!!REGISTERED SUCCESSFULLY!!!!!!!!

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""")

x=input("enter any key to continue:")

#IF USER WANTS TO LOGIN

elif r==1:

#PRINTING THE SINGIN OPTION AGAIN TO THE USER AFTER REGISTRATION

print("""

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!!!!!!!! {{SIGN IN }} !!!!!!!!!!

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""")

un=input("ENTER THE USERNAME!!:")

ps=input("ENTER THE PASSWORD!!:")

mycursor.execute("select password from user\_data where username='"+un+"'")

row=mycursor.fetchall()

for i in row:

a=list(i)

if a[0]==str(ps):

while(True):

##displaying the task you can perform

print("""

1.ADMINISTRATION

2.PATIENT (ADMISSION NAD DISCHARGE PROCESS)

3.SIGN OUT

""")

##asking for the task from user

a=int(input("ENTER YOUR CHOICE:"))

#if user wants to enter administration option

if a==1:

print("""

1. SHOW DETAILS

2. ADD NEW MEMBER

3. DELETE EXISTING ONE

4. EXIT

""")

b=int(input("ENTER YOUR CHOICE:"))

#showing the existing details

if b==1:

print("""

1. DOCTOR DETAILS

2. NURSE DETAILS

3. OTHER WORKERS

""")

#ASKING USER'S CHOICE

c=int(input("ENTER YOUR CHOICE:"))

#if user wants to see the details of doctors

if c==1:

mycursor.execute("select \* from doctor\_details")

row=mycursor.fetchall()

for i in row:

b=0

v=list(i)

k=["NAME","SPECIALISATION","AGE","ADDRESS","CONTACT","FEES","MONTHLY\_SALARY"]

d=dict(zip(k,v))

print(d)

#if user wants to see the details of nurses

elif c==2:

mycursor.execute("select \* from nurse\_details")

row=mycursor.fetchall()

for i in row:

v=list(i)

k=["NAME","SPECIALISATION","AGE","ADDRESS","CONTACT","MONTHLY\_SALARY"]

d=dict(zip(k,v))

print(d)

#if user wants to see the details of other\_workers

elif c==3:

mycursor.execute("select \* from other\_workers\_details")

row=mycursor.fetchall()

for i in row:

v=list(i)

k=["NAME","SPECIALISATION","AGE","ADDRESS","CONTACT","MONTHLY\_SALARY"]

d=dict(zip(k,v))

print(d)

#IF USER WANTS TO ENTER DETAILS

elif b==2:

print("""

1. DOCTOR DETAILS

2. NURSE DETAILS

3. OTHER WORKERS

""")

c=int(input("ENTER YOUR CHOICE:"))

#FOR ENTERING DETAILS OF DOCTORS

if c==1:

#ASKING THE DETAILS

name=input("ENTER DR. NAME:")

spe=input("ENTER SPECIALISATION:")

age=input("ENTER AGE:")

add=input("ENTER ADDRESS:")

cont=input("ENTER CONTACT NO.:")

fees=input("ENTER FEES:")

ms=input("ENTER MONTHLY\_SALARY:")

#INSERTING VALUES ENTERED INTO THE DOCTORS\_TABLE

mycursor.execute("insert into doctor\_details values('"+name+"','"+spe+"','"+age+"','"+add+"','"+cont+"','"+fees+"','"+ms+"')")

mysql.commit()

print("SUCCESSFULLY ADDED")

#for entering nurse details

elif c==2:

#ASKING THE DETAILS

name=input("ENTER NURSE NAME:")

age=input("ENTER AGE:")

add=input("ENTER ADDRESS:")

cont=input("ENTER CONTACT NO.:")

ms=int(input("ENTER MONTHLY\_SALARY:"))

#INSERTING VALUES ENTERED TO THE TABLE

mycursor.execute("insert into nurse\_details values('"+name+"','"+age+"','"+add+"','"+cont+"','"+str(ms)+"')")

mysql.commit()

print("SUCCESSFULLY ADDED")

#for entering workers details

elif c==3:

#ASKING THE DETAILS

name=input("ENTER WORKER NAME:")

age=input("ENTER AGE:")

add=input("ENTER ADDRESS:")

cont=input("ENTER CONTACT NO.:")

ms=input("ENTER MONTHLY\_SALARY:")

#INSERTING VALUES ENTERED TO THE TABLE

mycursor.execute("insert into other\_workers\_details values('"+name+"','"+age+"','"+add+"','"+cont+"','"+ms+"')")

mysql.commit()

print("SUCCESSFULLY ADDED")

#if unser wants to delete data

elif b==3:

print("""

1. DOCTOR DETAILS

2. NURSE DETAILS

3. OTHER WORKERS

""")

c=int(input("ENTER YOUR CHOICE:"))

#deleting doctor's details

if c==1:

name=input("ENTER DOCTOR'S NAME:")

mycursor.execute("select \* from doctor\_details where name=='"+name+"'")

row=mycursor.fetchall()

print(row)

p=input("you really wanna delete this data? (y/n):")

if p=="y":

mycursor.execute("delete from doctor\_details where name='"+name+"'")

mysql.commit()

print("SUCCESSFULLY DELETED!!")

else:

print("NOT DELETED")

#deleting nurse details

elif c==2:

name=input("ENTER NURSE NAME:")

mycursor.execute("select \* nurse\_details where name=='"+name+"'")

row=mycursor.fetchall()

print(row)

p=input("you really wanna delete this data? (y/n):")

if p=="y":

mycursor.execute("delete from nurse\_details where name='"+name+"'")

mysql.commit()

print("SUCCESSFULLY DELETED!!")

else:

print("NOT DELETED")

#deleting other\_workers details

elif c==3:

name=input("ENTER THE WORKER NAME:")

mycursor.execute("select \* from workers\_details where name=='"+name+"'")

row=mycursor.fetchall()

print(row)

p=input("you really wanna delete this data? (y/n):")

if p=="y":

mycursor.execute("delete from other\_workers\_details where name='"+name+"'")

mysql.commit()

print("SUCCESSFULLY DELETED!!")

else:

print("NOT DELETED")

elif b==4:

break

#entering the patient details table

elif a==2:

print("""

1. SHOW PATIENT DETAILS

2. ADD NEW PATIENT

3. DISCHARGE PATIENT

4. EXIT

""")

b=int(input("ENTER YOUR CHOICE:"))

#showing the existing details

#if user wants to see the details of PATIENT

if b==1:

mycursor.execute("select \* from patient\_details")

row=mycursor.fetchall()

for i in row:

b=0

v=list(i)

k=["NAME","SEX","AGE","ADDRESS","CONTACT"]

d=dict(zip(k,v))

print(d)

#adding new patient

elif b==2:

name=str(input("ENTER NAME: "))

sex=str(input("ENTER SEX: "))

age=str(input("ENTER AGE: "))

address=str(input("ADDRESS: "))

contact=str(input("CONTACT NUMBER: "))

mycursor.execute ("insert into patient\_details values('"+str(name)+"','"+str(sex)+"','"+str(age)+"','"+str(address)+"','"+str(contact)+"')")

mysql.commit()

mycursor.execute("select \* from patient\_details")

for i in mycursor:

v=list(i)

k=['NAME','SEX','AGE','ADDRESS','CONTACT']

print(dict(zip(k,v)))

print("""

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!!!!!!!REGISTERED SUCCESSFULLY!!!!!!

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""")

#dischare process

elif b==3:

name=input("ENTER THE PATIENT NAME:")

mycursor.execute("select \* from patient\_details where name='"+name+"'")

row=mycursor.fetchall()

print(row)

bill=input("HAS HE PAID ALL THE BILLS ? (y/n):")

if bill=="y":

mycursor.execute("delete from patient\_details where name='"+name+"'")

mysql.commit()

#if user wants to exit

elif b==4:

break

###SIGN OUT

elif a==3:

break

#IF THE USERNAME AND PASSWORD IS NOT IN THE DATABASE

else:

break