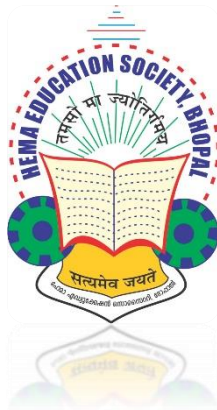# HEMA HIGHER SECONDARY SCHOOL

Session - 2020-21

Project Report On

HOSPITAL MANAGEMENT SOFTWARE

Submitted to: -

Mr. Brijesh Soni

Computer Sc. PGT

Submitted by: -

Piyush Swarup Baghel

XII 'A'

Roll No: -

CERTIFICATE

This is to certify that **PIYUSH SWARUP BAGHEL**

of class **XII 'A'** of

HEMA Higher Secondary School

had successfully completed the project work

entitled

"Hospital Management System"

under the supervision of computer teacher

Mr. Brijesh Soni

for the academic year

2020-21

Signature: - ------------------   ------------------   ------------------

Internal examiner   External examiner   Principal

DECLARATION

I Piyush Swarup Baghel of class XII 'A' , HEMA Higher Secondary School, declared that the project titled Hospital Management System had been completed and executed successfully under the guidance of our computer science teacher, Mr. Brijesh Soni. This project had been built as per the CBSE guidelines as per our expectation.

DATE:- ..../........../...................

SIGNATURE:- ....

NAME:-.............................

ROLL NUMBER:-.............................

SIGNATURE:-.............................

Mr. Brijesh Soni

PGT (Computer Science)

ACKNOWLEDGEMENT

I Would like to convey my heartfelt thanks to Mr. Brijesh Soni, my computer science teacher who guided me throughout this project and also for giving valuable suggestions for the project. He helped me to understand from starting to ending and guided me throughout the entire process.

I would also like to thanks our principal, Mrs. Usha Vishwanathan for providing entire infrastructure to had a successful completion of project without any failure causes.

Name of student:- ....

Roll number:- ....

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OBJECTIVE

The program on **ANP HOSPITAL (HOSPITAL MANAGEMENT)** had been built to handle management in hospital. It provides all necessary details about hospital like, Doctor's information, Patient information, Patient appointment and Bill generation.

This program had been built for hospitals to record data in more efficient and better way using the Python language.

It reduces the use of paper and pen and hence it is environment friendly, faster and secure.

<u>INTRODUCTION</u>

In this project of ANP Hospital (Hospital management), we have implemented concept of FUNCTION, DATA FILE HANDLING and DATABASE MANAGEMENT SYSTEM, and various concepts learnt in class 11th.

Using Python programming the project had been made to avoid the need of writing the set of instruction again and again. They are called whenever required using functions.

SOFTWARE AND HARDWARE USED

The following project had been made on computer system having Windows 10 as a operating system, i3 as a processor and basic peripheral devices.

The software required to built the project

- ➤ IDLE Python 3.7 as a frontend
- ➤ MySQL 8.0 as a backend.

PROJECT DESCRIPTION

This software is very useful in real life situation for handling information of doctors and patients and getting information of hospital.

Many variables and functions are used in program to make this possible.

Some of this are listed below.

Variables- name, cur, row, mycon, ch, edit, etc.

Functions-
admin,doctor,patient,disdoc,editdoc,delpat,bcancle,patient, bill, changepass, pdoctor, hosdoc, owndet, etc.

Database- hospital

Relation- doctor, patient, appointment, bill

SOURCE CODE

```python
#For admin window


def admin():
    print("\n\t***********************************************")
print("\n\t***********WELCOME TO A N P HOSPITAL*********")
    print("\n\t***********************************************")
    a=input("Enter password:-")
    file=open("admin.txt",'r')
    q=file.read()


    if a==q:
print("\n\t\t-------Welcome to admin window-------")
print("\n***Admin Options***")
        q1=int(input("Press 1 to Manage Doctor\nPress 2 to Manage
Patient\nPress 3 to Manage Appoinment\nPress 4 to Change Password\nPress 5 to
go back\n>>"))
        if q1==1:
doctor()
elif q1==2:
patient()
elif q1==3:
appoinment()
elif q1==4:
changepass()
        else:
print("")
    else:
print("Wrong password try again")
```

```python
#For (admin then => doctor)


def doctor():

    while True:

print("\n\t\t-------Welcome to Doctor Managment Window-------")

print("\n***Doctor Managment Options***")

ch=int(input("Press 1 to Display Doctors detail\nPress 2 to Add
Doctors\nPress 3 to Delete Doctors\nPress 4 to Edit Doctors info\nPress 5 to
Return\n>>"))

        if ch==1:

disdoc()

elifch==2:

adddoc()

elifch==3:

deldoc()

elifch==4:

editdoc()

elifch==5:

            return

        else:

print("\n-X-X-X-X-X-Wrong Choice Try Again-X-X-X-X-X-\n")

def disdoc():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

cur.execute("select*from doctor")

    row=cur.fetchall()

    for c in row:

        print(c)

mycon.close()



def adddoc():
```

```python
    id=int(input("Enter doctors id"))

    name=(input("Enter doctors name"))

    gender=(input("Enter doctors gender"))

    department=(input("Enter doctors department"))

    salary=int(input("Enter doctors salary"))

    phone=int(input("Enter doctors phone number"))

    address=(input("Enter doctors address"))

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    insert="insert into
doctor(id,name,gender,department,salary,phone_no,address)values({},'{}','{}',
'{}',{},{},'{}')".format(id,name,gender,department,salary,phone,address)

cur.execute(insert)

mycon.commit()

mycon.close()

print("Record has been saved")




def deldoc():
    id=int(input("Enter doctors id which you want to delete\n>>"))

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    dele="delete from doctor where id='{}'".format(id)

cur.execute(dele)

mycon.commit()

mycon.close()

print("id number",id,"Record has been deleted")


def editdoc():
```

```python
ch=int(input("\nPress 1 to edit name\nPress 2 to edit gender\nPress 3 to edit
department\nPress 4 to edit salary\nPress 5 to edit phone number\nPress 6 to
edit address\n>>"))

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    if ch==1:

edname()

elifch==2:

edgender()

elifch==3:

eddepartment()

elifch==4:

edsalary()

elifch==5:

edphone()

elifch==6:

edaddress()

    else:

        return


def edname():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    name=input("Enter the name\n>>")

    id=int(input("Enter the id of the person that name should be
change\n>>"))

    edit="update doctor set name='{}' where id ={}".format(name,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")
```

```python
def eddepartment():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    department=input("Enter the department\n>>")

    id=int(input("Enter the id of the person that department should be
change\n>>"))

    edit="update doctor set department='{}' where id
={}".format(department,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def edsalary():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    salary=input("Enter the salary\n>>")

    id=int(input("Enter the id of the person that salary should be
change\n>>"))

    edit="update doctor set salary='{}' where id ={}".format(salary,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")


def edgender():

    import mysql.connector
```

```python
mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    gender=input("Enter the gender\n>>")

    id=int(input("Enter the id of the person that gender should be
change\n>>"))

    edit="update doctor set gender='{}' where id ={}".format(gender,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def edphone():
    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    phone=input("Enter the phone")

    id=int(input("Enter the id of the person that phone should be change"))

    edit="update doctor set phone_no='{}' where id ={}".format(phone,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")

print(input("PRESS ANY KEY TO CONTINUE"))


def edaddress():
    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    address=input("Enter the address")
```

```python
    id=int(input("Enter the id of the person that address should be change"))

    edit="update doctor set address='{}' where id ={}".format(address,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")

print(input("PRESS ANY KEY TO CONTINUE"))


#For (admin then => patient)


def patient():

    while True:

print("\n\t\t-------Welcome to patient Managment Window-------")

print("\n***Patient Managment Options***")

ch=int(input("Press 1 to Display Patient detail\nPress 2 to Add
Patients\nPress 3 to Delete Patients\nPress 4 to Edit Patients info\nPress 5
to view patient bill\nPress 6 to Return"))

        if ch==1:

dispat()

elifch==2:

addpat()

elifch==3:

delpat()

elifch==4:

editpat()

elifch==5:

disbill()

elifch==6:

            return

        else:

print("\n-X-X-X-X-X-Wrong Choice Try Again-X-X-X-X-X-\n")


def dispat():

    import mysql.connector
```

```python
mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
cur.execute("select*from patient")
    row=cur.fetchall()
    for c in row:
        print(c)
mycon.close()



def addpat():
    id=int(input("Enter patient id"))
    name=(input("Enter patient name"))
    gender=(input("Enter patient gender"))
    age=(input("Enter patient age"))
    phone=int(input("Enter patient phone number"))
    address=(input("Enter patient address"))
    disease=(input("Enter patient disease"))
    date=(input("Enter todays date in DDMMYYYY Format"))
    appoint=(input("Enter patient's doctor appoint"))


    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    insert="insert into
patient(id,name,gender,age,phone_no,address,disease,date,doctor_appoint)value
s({},'{}','{}',{},{},'{}','{}','{}','{}')".format(id,name,gender,age,phone,ad
dress,disease,date,appoint)
cur.execute(insert)
mycon.commit()
mycon.close()
print("Record has been saved")
def delpat():
```

```python
    id=int(input("Enter patient id which you want to delete"))

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    dele="delete from patient where id='{}'".format(id)

cur.execute(dele)

mycon.commit()

mycon.close()

print("id number",id,"Record has been deleted")




def editpat():

ch=int(input("\nPress 1 to edit name\nPress 2 to edit gender\nPress 3 to edit
age\nPress 4 to edit phone number\nPress 5 to edit address\nPress 6 to edit
disease\nPress 7 to edit date\nPress 8 to edit doctor appoint\n>>"))

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    if ch==1:

ediname()

elifch==2:

edigender()

elifch==3:

ediage()

elifch==4:

ediphone()

elifch==5:

ediaddress()

elifch==6:

edidisease()

elifch==7:

edidate()

elifch==8:
```

```python
ediappoint()

    else:

        return


def ediname():

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    name=input("Enter the name\n>>")

    id=int(input("Enter the id of the person that name should be
change\n>>"))

    edit="update patient set name='{}' where id ={}".format(name,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")


def edigender():

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    gender=input("Enter the gender\n>>")

    id=int(input("Enter the id of the person that gender should be
change\n>>"))

    edit="update patient set gender='{}' where id ={}".format(gender,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")


def ediage():
```

```python
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    age=input("Enter the age\n>>")

    id=int(input("Enter the id of the person that age should be change\n>>"))

    edit="update patient set age='{}' where id ={}".format(age,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def ediphone():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    phone=input("Enter the phone\n>>")

    id=int(input("Enter the id of the person that phone number should be
change\n>>"))

    edit="update patient set phone_no='{}' where id ={}".format(phone,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def ediaddress():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()
```

```python
    address=input("Enter the address\n>>")
    id=int(input("Enter the id of the person that address should be
change\n>>"))
    edit="update patient set address='{}' where id ={}".format(address,id)
cur.execute(edit)
mycon.commit()
mycon.close()
print("Record has been edited")




def edidisease():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    disease=input("Enter the disease\n>>")
    id=int(input("Enter the id of the person that disease should be
change\n>>"))
    edit="update patient set disease='{}' where id ={}".format(disease,id)
cur.execute(edit)
mycon.commit()
mycon.close()
print("Record has been edited")


def edidate():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    date=input("Enter the date in DDMMYYYY Formate\n>>")
    id=int(input("Enter the id of the person that date should be
change\n>>"))
    edit="update patient set date='{}' where id ={}".format(date,id)
cur.execute(edit)
```

```python
mycon.commit()

mycon.close()

print("Record has been edited")




def ediappoint():

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    appoint=input("Enter the doctor appoint\n>>")

    id=int(input("Enter the id of the person that date should be
change\n>>"))

    edit="update patient set doctor_appoint='{}' where id
={}".format(appoint,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")


def disbill():

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    show="select * from bill"

cur.execute(show)

    row=cur.fetchall()

    for c in row:

        print(c)

mycon.commit()

mycon.close()


#For (admin then =>appoinment)
```

```python
def appoinment():
    while True:
        print("\n\t\t-------Welcome to Appoinment Window-------")
        print("\n***Appoinment Options***")
        ch=int(input("Press 1 to Display appoinments\nPress 2 to book appoinment\nPress 3 to edit appoinment\nPress 4 to Cancel appoinment\nPress 5 to Return\n>>"))
        if ch==1:
            bdisplay()
        elifch==2:
            bbook()
        elifch==3:
            bedit()
        elifch==4:
            bcancel()
        elifch==5:
            return
        else:
            print("\n-X-X-X-X-X-Wrong Choice Try Again-X-X-X-X-X-\n")


def bdisplay():
    import mysql.connector
    mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',database='hospital')
    cur=mycon.cursor()
    cur.execute("select*from appoinment")
    row=cur.fetchall()
    for c in row:
        print(c)
    mycon.close()


def bbook():
    id=int(input("Enter appoinment id"))
    date_appoint=(input("Enter the date appoint in DD/MM/YYYY formate"))
```

```python
client_id=int(input("Enter client id"))

client_name=(input("Enter client name"))

client_contact=int(input("Enter client contact number"))

start_time=(input("Enter starting time"))

end_time=(input("Enter ending time"))

doctor_name=(input("Enter doctor's name"))


    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    insert="insert into
appoinment(id,date_appoint,client_id,client_name,client_contact,start_time,en
d_time,doctor_name)values({},'{}',{},'{}',{},'{}','{}','{}')".format(id,date_
appoint,client_id,client_name,client_contact,start_time,end_time,doctor_name)

cur.execute(insert)

mycon.commit()

mycon.close()

print("Record has been saved")




def bedit():

ch=int(input("\nPress 1 to edit appointment date\nPress 2 to edit client
id\nPress 3 to edit client name\nPress 4 to edit client contact number\nPress
5 to edit start time\nPress 6 to edit end time\nPress 7 to edit doctor's
name\n>>"))

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    if ch==1:

editadate()

elifch==2:

editcid()

elifch==3:
```

```python
            editcname()
        elifch==4:
            editccontact()
        elifch==5:
            editstime()
        elifch==6:
            editetime()
        elifch==7:
            editdname()
        else:
            return


def editadate():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    date=input("Enter the date\n>>")
    id=int(input("Enter the id of the appointment\n>>"))
    edit="update appoinment set date_appoint='{}' where id
={}".format(date,id)
cur.execute(edit)
mycon.commit()
mycon.close()
print("Record has been edited")



def editcid():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
cid=input("Enter the client id\n>>")
    id=int(input("Enter the id of the appointment\n>>"))
```

```python
    edit="update appoinment set client_id='{}' where id ={}".format(cid,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def editcname():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    name=input("Enter the client name\n>>")

    id=int(input("Enter the id of the appointment\n>>"))

    edit="update appoinment set client_name='{}' where id
={}".format(name,id)

cur.execute(edit)

mycon.commit()

mycon.close()

print("Record has been edited")




def editcname():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    name=input("Enter the client name\n>>")

    id=int(input("Enter the id of the appointment\n>>"))

    edit="update appoinment set client_name='{}' where id
={}".format(name,id)

cur.execute(edit)
```

```python
    mycon.commit()

    mycon.close()

    print("Record has been edited")



def editccontact():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    con=input("Enter the client contact number\n>>")

    id=int(input("Enter the id of the appointment\n>>"))

    edit="update appoinment set client_contact='{}' where id
={}".format(con,id)

    cur.execute(edit)

    mycon.commit()

    mycon.close()

    print("Record has been edited")



def editstime():

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

stime=input("Enter the start time\n>>")

    id=int(input("Enter the id of the appointment\n>>"))

    edit="update appoinment set start_time='{}' where id
={}".format(stime,id)

    cur.execute(edit)

    mycon.commit()

    mycon.close()

    print("Record has been edited")
```

```python
def editetime():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',database='hospital')
    cur=mycon.cursor()
etime=input("Enter the end time\n>>")
    id=int(input("Enter the id of the appointment\n>>"))
    edit="update appoinment set end_time='{}' where id ={}".format(etime,id)
cur.execute(edit)
mycon.commit()
mycon.close()
print("Record has been edited")



def editdname():
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',database='hospital')
    cur=mycon.cursor()
ename=input("Enter the doctor's name\n>>")
    id=int(input("Enter the id of the appointment\n>>"))
    edit="update appoinment set doctor_name='{}' where id ={}".format(ename,id)
cur.execute(edit)
mycon.commit()
mycon.close()
print("Record has been edited")



def bcancel():
    import mysql.connector
```

```python
mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    cancel=int(input("Enter the id of the appointment whose appointment want
to delete\n>>"))

    sure=input("\n****Are you sure to cancel the appointment if yess then
pressx'y'***\n>>")

    if sure==("y"):

stime="update appoinment set start_time='{}' where id
={}".format("Cancel",cancel)

etime="update appoinment set end_time='{}' where id
={}".format("Cancel",cancel)

cur.execute(stime)

cur.execute(etime)

mycon.commit()

mycon.close()

print("Record has been canceld")


    else:

print("Record is not canceld\n>>")

        return



#For (admin then => change pass)


def changepass():

    b=input("\nenter the old password\n>>")

    file=open("admin.txt",'r')

    z=file.read()

    if z==b:

        file=open("admin.txt",'w')

        passwd=input("Enter new Password\n>>")

file.write(passwd)

file.close()

print("\nYOUR PASSWORD IS CHANGED SUCCESSFULLY\n")
```

```python
        return

    else:

print("\nYou Write Wrong Password Try Again\n>>")




#For doctor window

def pdoctor():

    print("\n\t*********************************************")

print("\n\t***********WELCOME TO A N P HOSPITAL**********")

    print("\n\t*********************************************")

    while True:

print("\n\t\t-------Welcome to doctor's window------")

print("\n***doctor's Options***")

        q2=int(input("Press 1 to view hospital doctor's details\nPress 2 to
view own details\nPress 3 to view whome I am appoint\nPress 4 to go
back\n>>"))

        if q2==1:

hosdoc()

elif q2==2:

owndet()

elif q2==3:

wappoint()

elif q2==4:

            return

        else:

print("wrong choice")




#view hospital doctor

def hosdoc():

    import mysql.connector


mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()
```

```python
    view="select name,gender,department,phone_no,address from doctor"
cur.execute(view)
    row=cur.fetchall()
    for c in row:
        print(c)
mycon.close()



def owndet():
    id=int(input("Enter your personal id\n>>"))
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    show="select * from doctor where id={}".format(id)
cur.execute(show)
    row=cur.fetchall()
    print(row)
mycon.close()



def wappoint():
    name=input("Enter your correct name\n>>")
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    show="select * from appoinment where doctor_name='{}'".format(name)
cur.execute(show)
    row=cur.fetchall()
    print(row)
mycon.close()
```

```python
#For patient window

def patientw():
    print("\n\t*********************************************")
print("\n\t***********WELCOME TO A N P HOSPITAL***********")
    print("\n\t*********************************************")
    while True:


print("\n\t\t-------Welcome to patient's window-------")
print("\n***patient's Options***")
        q2=int(input("Press 1 to view hospital doctor's details\nPress 2 to
view own details\nPress 3 to see the bill\nPress 4 to go back\n>>"))
        if q2==1:
hosdoc()
elif q2==2:
ownpdet()
elif q2==3:
bill()
elif q2==4:
            return
        else:
print("wrong choice")


def ownpdet():
    id=int(input("Enter your personal id\n>>"))
    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')
    cur=mycon.cursor()
    show="select * from patient where id={}".format(id)
cur.execute(show)
    row=cur.fetchall()
    print(row)
mycon.close()
```

```python
def bill():

    id=int(input("Enter your personal id\n>>"))

    date1=int(input("enter today's date in DDMMYYYY formate without
any'/'or'-'\n>>"))

    import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

    cur=mycon.cursor()

    show="select date from patient where id={}".format(id)

cur.execute(show)

    row=cur.fetchone()

    for c in row:

        art=int((date1-c)/(100000))

print("Your total bill is- Rs.", art)

    a3=int(input("Press 1 to Pay bill\nPress 2 For go back"))

    if a3==1:


        import mysql.connector

mycon=mysql.connector.connect(host='localhost',user='root',passwd='piyush',da
tabase='hospital')

        cur=mycon.cursor()

        show="select name from patient where id={}".format(id)

cur.execute(show)

        row=cur.fetchone()

        for c in row:

            name=(c)

        insert="insert into
bill(id,name,amount_paid)values({},'{}','{}')".format(id,name,art)

cur.execute(insert)

mycon.commit()

mycon.close()

print("Record has been saved")
```

```python
    else:
mycon.close()


#START From here
print("\t***********************************************************************
****************************")

print("\n\t*\t\t\t\t    *        **         *   ******
*")

print("\t*\t\t\t\t *   *    * *       *   *      *
*")

print("\t*\t\t\t\t*       *   *   *     *   *        *
*")

print("\t*\t\t\t\t*       *   *   *     *   *       *
*")

print("\t*\t\t\t\t*******   *     *   *   ******
*")

print("\t*\t\t\t\t*       *   *     * *   *
*")

print("\t*\t\t\t\t*       *   *       **   *
*\n")


print("\t*\t*        *          *        ******** *******   ********
********     *      *              *")

print("\t*\t*          *     *     *     *           *      *      *       *
*    *    *             *")

print("\t*\t*          *    *       *   *          *       *      *       *
*     *   *             *")

print("\t*\t*********    *         *   *********   *******         *       *
*    *   *             *")

print("\t*\t*          *    *       *           *   *             *       *
******   *             *")

print("\t*\t*          *    *       *           *   *             *       *
*     *   *             *")

print("\t*\t*          *         *        *******      *          ********      *
*    *   *******     *\n")

print("\t***********************************************************************
****************************")


ch11='y'
```

```python
while ch11=='y':

print("\n\t-------- Main Menu ---------")

print("\nPress 1 for Admin Window\nPress 2 for Doctor Window\nPress 3 for
Patient Window")

ch=int(input("Enter the choice:-"))

    if ch==1:

admin()

elifch==2:

pdoctor()

elifch==3:

patientw()

    else:

print("WRONG CHOICE")

    ch11=input('Press y to go to the Main Menu or press n to exit\n>>')

    if ch11=='n':

print("Thanks For Using This Software")
```

SNAPSHOTS OF SCREENS

```
*Python 3.7.4 Shell*                                                        –   ☐   ⤬
File  Edit  Shell  Debug  Options  Window  Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul  8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Hp\AppData\Local\Programs\Python\Python37-32\Hospital.py =
        ***********************************************************************************
        *                              *    **    *   ******                             *
        *                             *  *  *  *    *  *     *                           *
        *                             *    *  *  *  *   *      *                         *
        *                             *    *  *  *  *   *      *                         *
        *                             *******  *    *  *  ******                         *
        *                             *     *  *     * *  *                              *
        *                             *     *  *      **  *                              *

        *      *      *       *       ********* *******   ********* *********  *      *    *
        *      *      *    *   *    *  *         *         *         *         *     *  *   *
        *      *      *    *   *    *  *         *         *         *         *     *  *   *
        *      *********    *     *    *********  *******   *         *         ******* *   *
        *      *      *   *  *  *  *         *  *          *         *         *     *  *   *
        *      *      *   *   *   *         *  *          *********  *      *  *     *  *   *

        ***********************************************************************************

        --------- Main Menu ---------

Press 1 for Admin Window
Press 2 for Doctor Window
Press 3 for Patient Window
Enter the choice:-
```

```
Enter the choice:-1

        ***********************************************
        ************WELCOME TO A N P HOSPITAL**********
        ***********************************************
Enter password:-piyush

            -------Welcome to admin window-------

***Admin Options***
Press 1 to Manage Doctor
Press 2 to Manage Patient
Press 3 to Manage Appoinment
Press 4 to Change Password
Press 5 to go back
>>
```

```
            -------Welcome to Doctor Managment Window-------

***Doctor Managment Options***
Press 1 to Display Doctors detail
Press 2 to Add Doctors
Press 3 to Delete Doctors
Press 4 to Edit Doctors info
Press 5 to Return
>>
```

```
>>1
(102, 'deepa', 'F', 'ortho', 100000, '9874563215', 'BHEL')
(101, 'Piyush', 'M', 'Cardiology', 1000000, '9547812635', 'Indralok')
(103, 'Anoop', 'M', 'Neurology', 1000000, '9584652144', 'Badhkheda')
```

```
>>2
Enter doctors id104
Enter doctors nameSanjev
Enter doctors genderM
Enter doctors departmentNeurology
Enter doctors salary1000000
Enter doctors phone number9875462130
Enter doctors addressIndrapuri
Record has been saved
```

```
>>3
Enter doctors id which you want to delete
>>104
id number 104 Record has been deleted
```

```
>>4

Press 1 to edit name
Press 2 to edit gender
Press 3 to edit department
Press 4 to edit salary
Press 5 to edit phone number
Press 6 to edit address
>>
```

```
>>1
Enter the name
>>Piyush
Enter the id of the person that name should be change
>>101
Record has been edited
```

```
>>2
Enter the gender
>>M
Enter the id of the person that gender should be change
>>101
Record has been edited
```

```
>>3
Enter the department
>>Cardiology
Enter the id of the person that department should be change
>>101
Record has been edited
```

```
>>4
Enter the salary
>>5000000
Enter the id of the person that salary should be change
>>101
Record has been edited
```

```
>>5
Enter the phone9874568512
Enter the id of the person that phone should be change101
Record has been edited
PRESS ANY KEY TO CONTINUE
```

```
>>6
Enter the addressIndrapuri JK Road
Enter the id of the person that address should be change101
Record has been edited
PRESS ANY KEY TO CONTINUE
```

```
>>2

              -------Welcome to patient Managment Window-------

***Patient Managment Options***
Press 1 to Display Patient detail
Press 2 to Add Patients
Press 3 to Delete Patients
Press 4 to Edit Patients info
Press 5 to view patient bill
Press 6 to Return
```

```
>>1
(101, 'Yash Kumar', 'M', 43, '9856748575', 'JK ', 'Heart atack', 24122020, 'Piyush Baghel')
(102, 'Mona Lisa', 'F', 90, '8745965412', 'Heaven Road', 'Urinary Problem', 23122020, 'Anoop')
```

```
>>2
Enter patient id103
Enter patient nameBinod
Enter patient genderM
Enter patient age25
Enter patient phone number8745985632
Enter patient addressGovindpura
Enter patient diseaseBlood Preasure
Enter todays date in DDMMYYYY Format30122020
Enter patient's doctor appointPiyush Baghel
Record has been saved
```

```
>>3
Enter patient id which you want to delete101
id number 101 Record has been deleted
```

```
>>4

Press 1 to edit name
Press 2 to edit gender
Press 3 to edit age
Press 4 to edit phone number
Press 5 to edit address
Press 6 to edit disease
Press 7 to edit date
Press 8 to edit doctor appoint
>>
```

```
>>1
Enter the name
>>Alan Walker
Enter the id of the person that name should be change
>>103
Record has been edited
```

```
>>2
Enter the gender
>>M
Enter the id of the person that gender should be change
>>103
Record has been edited
```

```
>>3
Enter the age
>>37
Enter the id of the person that age should be change
>>103
Record has been edited
```

```
>>4
Enter the phone
>>8759874620
Enter the id of the person that phone number should be change
>>103
Record has been edited
```

```
>>6
Enter the disease
>>Sugar
Enter the id of the person that disease should be change
>>103
Record has been edited
```

```
>>7
Enter the date in DDMMYYYY Formate
>>01012021
Enter the id of the person that date should be change
>>103
Record has been edited
```

```
>>8
Enter the doctor appoint
>>Anoop
Enter the id of the person that date should be change
>>103
Record has been edited
```

```
>>5
(108, 'psbaghel', '80')
(102, 'Mona Lisa', '0')
```

```
>>3

            -------Welcome to Appoinment Window-------

***Appoinment Options***
Press 1 to Display appoinments
Press 2 to book appoinment
Press 3 to edit appoinment
Press 4 to Cancel appoinment
Press 5 to Return
>>
```

```
>>1
(101, '30/01/2020', 103, 'Aman', '9857462310', '10:00AM', '10:45AM', 'Piyush Baghel')
(102, '01/01/2021', 107, 'Hema', '8574961235', 'Cancel', 'Cancel', 'Anoop')
(104, '25/12/2020', 105, 'Bhavesh ', '8475889652', '11:00AM', '11:45AM', 'Anoop')
```

```
>>2
Enter appoinment id103
Enter the date appoint in DD/MM/YYYY formate26/12/2020
Enter client id104
Enter client nameKSHMR
Enter client contact number9857462351
Enter starting time12:00AM
Enter ending time12:40AM
Enter doctor's nameDeepa
Record has been saved
```

```
>>3

Press 1 to edit appointment date
Press 2 to edit client id
Press 3 to edit client name
Press 4 to edit client contact number
Press 5 to edit start time
Press 6 to edit end time
Press 7 to edit doctor's name
>>
```

```
>>1
Enter the date
>>02/01/2021
Enter the id of the appointment
>>103
Record has been edited
```

```
>>2
Enter the client id
>>106
Enter the id of the appointment
>>103
Record has been edited
```

```
>>3
Enter the client name
>>Tungevaag
Enter the id of the appointment
>>103
Record has been edited
```

```
>>5
Enter the start time
>>10:00AM
Enter the id of the appointment
>>103
Record has been edited
```

```
>>6
Enter the end time
>>10:50AM
Enter the id of the appointment
>>103
Record has been edited
```

```
>>7
Enter the doctor's name
>>Anoop
Enter the id of the appointment
>>103
Record has been edited
```

```
>>4
Enter the id of the appointment whose appointment want to delete
>>104

****Are you sure to cancel the appointment if yess then pressx'y'***
>>y
Record has been canceld
```

```
>>4

enter the old password
>>piyush
Enter new Password
>>anoop

YOUR PASSWORD IS CHANGED SUCCESSFULLY

Press y to go to the Main Menu or press n to exit
>>
```

```
Enter the choice:-2

        ********************************************

        ************WELCOME TO A N P HOSPITAL**********

        ********************************************

                -------Welcome to doctor's window-------

***doctor's Options***
Press 1 to view hospital doctor's details
Press 2 to view own details
Press 3 to view whome I am appoint
Press 4 to go back
>>
```

```
>>1
('deepa', 'F', 'ortho', '9874563215', 'BHEL')
('Piyush', 'M', 'Cardiology', '9874568512', 'Indrapuri JK Road')
('Anoop', 'M', 'Neurology', '9584652144', 'Badhkheda')

                -------Welcome to doctor's window-------

***doctor's Options***
Press 1 to view hospital doctor's details
Press 2 to view own details
Press 3 to view whome I am appoint
Press 4 to go back
>>
```

```
>>2
Enter your personal id
>>101
[(101, 'Piyush', 'M', 'Cardiology', 5000000, '9874568512', 'Indrapuri JK Road')]
```

```
>>Anoop
(102, '01/01/2021', 107, 'Hema', '8574961235', 'Cancel', 'Cancel', 'Anoop')
(104, '25/12/2020', 105, 'Bhavesh ', '8475889652', 'Cancel', 'Cancel', 'Anoop')
(103, '02/01/2021', 106, 'Tungevaag', '8574968512', '10:00AM', '10:50AM', 'Anoop')
```

```
        ***********************************************

        ***********WELCOME TO A N P HOSPITAL***********

        ***********************************************

                -------Welcome to patient's window-------

***patient's Options***
Press 1 to view hospital doctor's details
Press 2 to view own details
Press 3 to see the bill
Press 4 to go back
>>
```

```
>>1
('deepa', 'F', 'ortho', '9874563215', 'BHEL')
('Piyush', 'M', 'Cardiology', '9874568512', 'Indrapuri JK Road')
('Anoop', 'M', 'Neurology', '9584652144', 'Badhkheda')
```

```
>>2
Enter your personal id
>>102
[(102, 'Mona Lisa', 'F', 90, '8745965412', 'Heaven Road', 'Urinary Problem', 23122020, 'Anoop')]
```

```
>>3
Enter your personal id
>>102
enter today's date in DDMMYYYY formate without any'/'or'-'
>>27122020
Your total bill is- Rs. 40
Press 1 to Pay bill
Press 2 For go back1
Record has been saved
```

```
mysql> select*from doctor;
+------+---------+--------+------------+---------+------------+------------------+
| id   | name    | gender | department | salary  | phone_no   | address          |
+------+---------+--------+------------+---------+------------+------------------+
|  102 | deepa   | F      | ortho      |  100000 | 9874563215 | BHEL             |
|  101 | Piyush  | M      | Cardiology | 5000000 | 9874568512 | Indrapuri JK Road|
|  103 | Anoop   | M      | Neurology  | 1000000 | 9584652144 | Badhkheda        |
+------+---------+--------+------------+---------+------------+------------------+
3 rows in set (0.00 sec)
```

```
mysql> select*from patient;
+------+-------------+--------+------+------------+--------------+----------------+----------+----------------+
| id   | name        | gender | age  | phone_no   | address      | disease        | date     | doctor_appoint |
+------+-------------+--------+------+------------+--------------+----------------+----------+----------------+
|  102 | Mona Lisa   | F      |   90 | 8745965412 | Heaven Road  | Urinary Problem| 23122020 | Anoop          |
|  103 | Alan Walker | M      |   37 | 8759874620 | Norway Road  | Sugar          |  1012021 | Anoop          |
+------+-------------+--------+------+------------+--------------+----------------+----------+----------------+
2 rows in set (0.00 sec)
```

```
mysql> select*from bill;
+------+-----------+-------------+
| id   | name      | amount_paid |
+------+-----------+-------------+
|  108 | psbaghel  | 80          |
|  102 | Mona Lisa | 0           |
|  102 | Mona Lisa | 40          |
+------+-----------+-------------+
3 rows in set (0.00 sec)
```

```
mysql> select*from appoinment;
+------+------------+-----------+-------------+---------------+------------+----------+---------------+
| id   | date_appoint | client_id | client_name | client_contact | start_time | end_time | doctor_name   |
+------+------------+-----------+-------------+---------------+------------+----------+---------------+
|  101 | 30/01/2020 |       103 | Aman        | 9857462310    | 10:00AM    | 10:45AM  | Piyush Baghel |
|  102 | 01/01/2021 |       107 | Hema        | 8574961235    | Cancel     | Cancel   | Anoop         |
|  104 | 25/12/2020 |       105 | Bhavesh     | 8475889652    | Cancel     | Cancel   | Anoop         |
|  103 | 02/01/2021 |       106 | Tungevaag   | 8574968512    | 10:00AM    | 10:50AM  | Anoop         |
+------+------------+-----------+-------------+---------------+------------+----------+---------------+
4 rows in set (0.00 sec)
```

FUTURE ENHANCEMENT

The program can be used by doctors and patient to get the details of hospital.

The unique feature is that it can easily modify by simple making some changes without disturbing the basic structure.

CONCLUSION

The program ANP HOSPITAL (Hospital management) is prepared with the help of user-friendly set of instructions that can be accessed easily by doctors and patient.

There are instruction on every screen of the program that are, if followed, can provide a great ease to user to run the program in correct manner. The program has benefits as it is time saving, well managed, and doesn't require use of pen and paper to operate.

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