

HOSPITAL DATABASE MANAGEMENT



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INTRODUCTION

HOSPITAL DATABASE MANAGEMENT

WITH SOURCE CODE IS A PYTHON PROGRAM THAT CAN ARRANGE APPOINTMENTS WITH DOCTORS. THE SOLE PURPOSE OF THIS PROGRAM IS TO ORGANIZE THE PATIENT AND DOCTOR DATA AND MAKE THE APPOINTMENT MEETING CONVENIENT FOR BOTH DOCTOR AND PATIENT. THIS PROGRAM WAS DEVELOPED USING **PYTHON LANGUAGE** AND **MySQL DATABASE**. THE PROGRAM CAN MAKE THE USER WORK FASTER AND MORE RELIABLY WHEN IT COMES TO INPUTTING DATA.

USING THIS SYSTEM YOU CAN EFFICIENTLY CHECK THE PATIENT AND WORKERS' DETAILS.

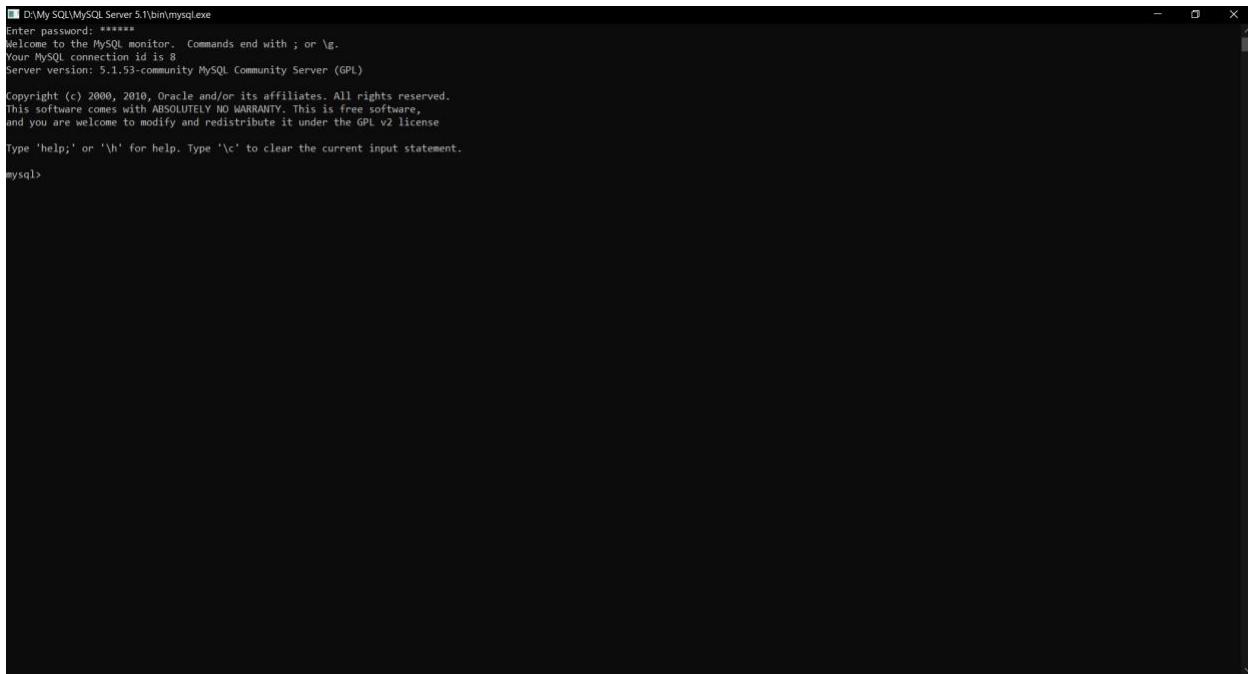
THE SYSTEM CONSISTS OF TWO USERS(ADMIN, USERS). THE ADMIN AND USER SIDE IS PROTECTED BY AN

ENCRYPTING PASSWORD BEFORE ACCESSING THE FEATURES.

WORKING ENVIRONMENT



The screenshot shows the Python IDLE Shell 3.9.6 interface. The title bar reads "IDLE Shell 3.9.6". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". Below the menu, it says "python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32" and "Type "help", "copyright", "credits" or "license()" for more information.". The main window is a large, empty text area with a cursor at the bottom-left corner. In the bottom right corner of the window, there is a small text "Ln: 3 Col: 4".



```
D:\MySQL\MySQL Server 5.1\bin\mysql.exe
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 5.1.53-community MySQL Community Server (GPL)

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This software comes with ABSOLUTELY NO WARRANTY. This is free software,
and you are welcome to modify and redistribute it under the GPL v2 license

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

ADVANTAGES

- 1. EASY USAGE**
- 2. EASE OF MANAGEMENT**
- 3. SYSTEMATIC KEEPING OF RECORDS**
- 4. CONVENIENCE**
- 5. PLATFORM-INDEPENDENT**

- 6. FASTER AND MORE EFFICIENT**
- 7. SUPPORT FOR RELATIONAL DATABASE SYSTEMS**
- 8. IT HANDLES OPEN AND CLOSED CONNECTIONS**
- 9. PROVIDES BETTER SECURITY**

SOURCE
CODE


```

Main.py - D:\Ahsan] - My Studies Related\0 12th Comp_Project\Main.py (3.9.6)
File Edit Format Run Options Window Help
    elif ch==3:
        break
    else:
        print('Please Enter the Valid Option')
    elif c=='p':
        while True:
            print('\t-----')
            print('\tEnter 1 to Add a Patient:')
            print('\tEnter 2 to Add Medicine Prescribed by the Doctor:')
            print('\tEnter 3 to Display All Patient's Detail:')
            print('\tEnter 4 to Display a Particular Patient's Detail:')
            print('\tEnter 5 to Go Back')
            print('\t-----')
            ch=int(input('Enter the Option:'))
            if ch==1:
                from Hospital_Functions import Add_newPatient
                Add_newPatient.Add_New_Pa()
            elif ch==2:
                from Hospital_Functions import Add_Med_Prescribed
                Add_Med_Prescribed.Add_Med()
            elif ch==3:
                from Hospital_Functions import Display_allPatient
                Display_allPatient.Display_All_Pa()
            elif ch==4:
                from Hospital_Functions import Display_Patient
                Display_Patient.Display_Pa()
            elif ch==5:
                break
            else:
                print('Please Enter the Valid Option')
    elif c=='c':
        while True:
            print('\t-----')
            print('\tEnter 1 to Add a Receptionist:')
            print('\tEnter 2 to Display All Receptionists Detail:')
            print('\tEnter 3 to Delete the Data of A Receptionist:')
            print('\tEnter 4 to Go Back')
            print('\t-----')
            ch=int(input('Enter the Option:'))
            if ch==1:
                from Hospital_Functions import Add_Receptionist
                Add_Receptionist.Add_Recept()
            elif ch==2:
                from Hospital_Functions import Display_Receptionist
                Display_Receptionist.Display_Recept()
            elif ch==3:
                from Hospital_Functions import Delete_Receptionist

```

Ln: 129 Col: 16

```

Main.py - D:\Ahsan] - My Studies Related\0 12th Comp Project\Main.py (3.9.6)
File Edit Format Run Options Window Help
    elif ch==3:
        from Hospital_Functions import Delete_Receptionist
        Delete_Receptionist.Delete_Recept()
    elif ch==4:
        break
    else:
        print('Please Enter the Valid Option')
    elif c=='d':
        while True:
            print('\t-----')
            print('\tEnter 1 to Add a Medicine:')
            print('\tEnter 2 to Display All Medicine Details:')
            print('\tEnter 3 to Display Medicine Detail for a Particular Patient:')
            print('\tEnter 4 to Go Back')
            print('\t-----')
            ch=int(input('Enter the Option:'))
            if ch==1:
                from Hospital_Functions import Add_Medicine
                Add_Medicine.Add_Med()
            elif ch==2:
                from Hospital_Functions import Display_Medicine
                Display_Medicine.Display_Med()
            elif ch==3:
                from Hospital_Functions import Display_Med_Pa
                Display_Med_Pa.Display_Med_Pa_s()
            elif ch==4:
                break
            else:
                print('Please Enter the Valid Option')
    elif c=='e':
        from Hospital_Functions import Bill
        Bill.Bill_()
    elif c=='f':
        break
    else:
        print('Please Enter the Valid Option')
break
else:
print("*****")
print("Please Enter The Correct Password:")
print("*****")

elif ch==2:
    print("\t\t\t*****")
    print("\t\t\t|      Welcome to User mode      |")
    print("\t\t\t*****")
while True:
    ...

```

Ln: 139 Col: 13

```

Main.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Main.py (3.9.6)
File Edit Format Run Options Window Help
while True:
    print("\t-----")
    print("\tEnter 1 To Enter Receptionist mode:")
    print("\tEnter 2 To Enter Doctor mode:")
    print("\tEnter 3 To Enter Pharmacist mode:")
    print("\tEnter E/e To Exit User Mode:")
    print("\t-----")
    o=input('Enter Your Option:')
    if o=='1':
        print("\t\t\t\t\t*****")
        print("\t\t\t\t\t| Welcome to Receptionist mode |")
        print("\t\t\t\t\t*****")
        while True:
            print("\t-----")
            print("\t\tEnter 1 to Display All Doctors :")
            print("\t\tEnter 2 to Display a Particular Patient's Detail:")
            print("\t\tEnter 3 to Add a Patient:")
            print("\t\tEnter E/e to Exit Receptionist Mode:")
            print("\t-----")
            cho=input('Enter the Option:')
            if cho=='1':
                from Hospital_Functions import Display_Doc_U
                Display_Doc_U()
            elif cho=='2':
                from Hospital_Functions import Display_Patient
                Display_Patient.Display_Pa()
            elif cho=='3':
                from Hospital_Functions import Add_newPatient
                Add_newPatient.Add_New_Pa()
            elif cho=='E' or cho=='e':
                break
            else:
                print('Please Enter the Valid Option')
    elif o=='2':
        print("\t\t\t\t\t*****")
        print("\t\t\t\t\t| Welcome to Doctor mode |")
        print("\t\t\t\t\t*****")
        while True:
            print("\t-----")
            print("\t\tEnter 1 to Add Medicine Prescribed by the Doctor:")
            print("\t\tEnter 2 to Display List of Patients and Particular Patient:")
            print("\t\tEnter 3 to Display Medicines:")
            print("\t\tEnter E/e to Exit Doctor Mode:")
            print("\t-----")
            c=input('Enter the Option:')
            if c=='1':
                from Hospital_Functions import Add_Med_Prescribed

```

Ln: 14 Col: 46

```

Main.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Main.py (3.9.6)
File Edit Format Run Options Window Help
if c=='1':
    from Hospital_Functions import Add_Med_Prescribed
    Add_Med_Prescribed.Add_Med()
elif c=='2':
    from Hospital_Functions import Display_Pat_Doctor
    Display_Pat_Doctor.Display_Pa_Doc()
elif c=='3':
    from Hospital_Functions import Display_Medicine
    Display_Medicine.Display_Med()
elif c=='e' or c=='E':
    break
else:
    print('Please Enter the Valid Option')
elif o=='3':
    print("\t\t\t\t\t*****")
    print("\t\t\t\t\t| Welcome to Pharmacist mode |")
    print("\t\t\t\t\t*****")
    while True:
        print("\t-----")
        print("\t\tEnter 1 to Add Medicine:")
        print("\t\tEnter 2 to Display Medicine:")
        print("\t\tEnter 3 to Generate Bill:")
        print("\t\tEnter E/e to Exit Pharmacist Mode:")
        print("\t-----")
        c=input('Enter the Option:')
        if c=='1':
            from Hospital_Functions import Add_Medicine
            Add_Medicine.Add_Med()
        elif c=='2':
            from Hospital_Functions import Display_Medicine
            Display_Medicine.Display_Med()
        elif c=='3':
            from Hospital_Functions import Bill
            Bill.Bill_()
        elif c=='e' or c=='E':
            break
        else:
            print('Please Enter the Valid Option')
    elif o=='e' or o=='E':
        break
    else:
        print('Please Enter the Valid Option')
elif ch==3:
    print("\t\t\t\t\t*****")
    print("\t\t\t\t\t| * Thank You For Your Pleasure Time*")
    print("\t\t\t\t\t| * Always Welcome To Our Database *\n|")

```

Ln: 240 Col: 0

Main.py - D:\Ahsan\ - My Studies Related\12th Comp_Project\Main.py (3.9.6)

```
File Edit Format Run Options Window Help
elif ch==3:
    print("\t\t\t\t\t*****")
    print("\t\t\t\t\t * Thank You For Your Pleasure Time*")
    print("\t\t\t\t\t * Always Welcome To Our Database *\n")
    print("\t\t\t\t\t *\t@ Visit Again \t\t\t\t\t*")
    print("\t\t\t\t\t *****")
break
else:
    print("Please Enter the Valid Option")

print('*****')
```

Ln: 240 Col: 0

FUNCTIONS

This PC > Internal Storage (HHD) (D:) > {Ahsan} - My Studies Related > (0) 12th Comp_Project

Name	Date modified	Type	Size
Hospital_Functions	8/11/2021 11:36 AM	File folder	
Main	8/12/2021 10:13 PM	Python File	13 KB

Name	Date modified	Type	Size
__pycache__	8/11/2021 11:35 AM	File folder	
init.py	8/8/2021 10:06 PM	Python File	1 KB
Add_Med_Prescribed.py	8/11/2021 11:37 AM	Python File	2 KB
Add_Medicine.py	8/12/2021 8:43 PM	Python File	2 KB
Add_newPatient.py	8/12/2021 8:44 PM	Python File	3 KB
Add_Receptionist.py	8/4/2021 5:45 PM	Python File	2 KB
Bill.py	8/8/2021 10:34 PM	Python File	6 KB
Delete_Receptionist.py	8/4/2021 8:44 PM	Python File	1 KB
Display_allPatient.py	8/12/2021 8:46 PM	Python File	1 KB
Display_Doc_Adm.py	8/4/2021 4:54 PM	Python File	1 KB
Display_Doc_U.py	8/4/2021 4:51 PM	Python File	1 KB
Display_Med_Pa_.py	8/12/2021 8:48 PM	Python File	1 KB
Display_Medicine.py	8/12/2021 8:48 PM	Python File	1 KB
Display_Pat_Doctor.py	8/12/2021 8:48 PM	Python File	3 KB
Display_Patient.py	8/12/2021 8:49 PM	Python File	3 KB
Display_Receptionist.py	8/4/2021 8:40 PM	Python File	1 KB
Hire_Doctor.py	8/4/2021 4:48 PM	Python File	3 KB

```
from Add_Med_Prescribed import Add_Med #1
from Add_newPatient import Add_New_Pa #2
from Display_allPatient import Display_All_Pa #3
from Display_Doc_Adm import Display_Adm #4
from Display_Doc_U import Display_U #5
from Display_Patient import Display_Pa #6
from Hire_Doctor import Hire #7
from Add_Receptionist import Add_Recepti #8
from Delete_Receptionist import Delete_Recept #9
from Display_Receptionist import Display_Recept #10
from Display_Pat_Doctor import Display_Pa_Doc #11
from Display_Medicine import Display_Med #12
from Display_Med_Pa import Display_Med_Pa_s #13
from Add_Medicine import Add_Med #14
from Bill import _Bill_ #15
```

```

Add_Med_Prescribed.py - D:\Ahsan - My Studies Related\0 12th Comp_Project\Hospital_Functions>Add_Med_Prescribed.py (3.9.6)
File Edit Format Run Options Window Help
def Add_Med():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL1',database='comp_project')
        cur=db.cursor()
        def Med_P(Me):
            c=0
            for i in range(0,len(Me)):
                if (Me[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                Me=Me+' '
            return Me
        while True:
            print("Enter 1 :- If you want to check the Patient details with 'P_code'")
            print("Enter 2 :- If You want to check the Patient details with 'Mobile_No'")
            ch=int(input("Enter Your Choice:"))
            if ch==1:
                P_Code=input("Enter the P_Code:")
                M=input('Enter the Medicine Prescribed by Doctor:')
                Me=Med_P(M)
                q="update Patient set Med_Prescribed='{}' where P_code='{}'".format(Me,P_Code)
                cur.execute(q)
                print(cur.rowcount,'Record(s) Added')
                db.commit()
                cur.close()
                db.close()
                break
            elif ch==2:
                Mo=input('Enter the Mobile_No:')
                M=input('Enter the Medicine Prescribed by Doctor:')
                Me=Med_P(M)
                q="update Patient set Med_Prescribed='{}' where Mobile_No={}".format(Me,Mo)
                cur.execute(q)
                print(cur.rowcount,'Record(s) Added')
                db.commit()
                cur.close()
                db.close()
                break
            else:
                print('Please Enter Valid Option')
    except Exception as Error:
        print(Error)

Ln: 1 Col: 0

```

```

Add_Medicine.py - D:\Ahsan - My Studies Related\0 12th Comp_Project\Hospital_Functions>Add_Medicine.py (3.9.6)
File Edit Format Run Options Window Help
def Add_Med():
    import mysql.connector as myc
    import random
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL1',database='comp_project')
        cur=db.cursor()
        def Med_Name(Me):
            c=0
            for i in range(0,len(Me)):
                if (Me[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                Me=Me+' '
            return Me
        def Symptom_(D):
            c=0
            for i in range(0,len(D)):
                if (D[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                D=D+' '
            return D
        def Price_(P):
            c=0
            for i in range(0,len(P)):
                if (P[i]!=''):
                    c=c+1
            e=5-c
            for i in range(0,e):
                P=P+' '
            return P
        M_Name=input('Enter the Medicine Name :')
        Price=input('Enter the Price of the Medicine:')
        Symptom=input('Enter the Symptom:')
        Me=Med_Name(M_Name)
        S=Symptom_(Symptom)
        P=Price_(Price)
        a=random.choice('ABCDEFGHIJKLMNPQRSTUVWXYZ')
        b=random.choice('1234567890')
        c=random.choice('1234567890')
        d=random.choice('1234567890')
        e=random.choice('1234567890')
        M_code=str(a)+str(b)+str(c)+str(d)+str(e)
        q="insert into medicine values('{}','{}','{}','{}')".format(M_code,Me,P,S)
        cur.execute(q)
    except Exception as Error:
        print(Error)

Ln: 1 Col: 0

```

```
File Edit Format Run Options Window Help
a=random.choice('ABCDEFGHIJKLMNPQRSTUVWXYZ')
b=random.choice('1234567890')
c=random.choice('1234567890')
d=random.choice('1234567890')
e=random.choice('1234567890')
M_code=str(a)+str(b)+str(c)+str(d)+str(e)
q="insert into medicine values('{}','{}','{}','{}')".format(M_code,Me,P,S)
cur.execute(q)
print(cur.rowcount,'Record(s) Added')
print("*****")
print("Your M_code is",M_code)
print("*****")
db.commit()
cur.close()
db.close()
except Exception as Error:
    print(Error)
```

Ln: 86 Col: 0

```
File Edit Format Run Options Window Help
def Add_New_Pa():
    import mysql.connector as myc
    import random
    db=myc.connect(host='localhost',user='root',port='3307',passwd='MySql11',database='comp_project')
    cur=db.cursor()
    try:
        def Gender_(G):
            c=0
            for i in range(0, len(G)):
                if(G[i]!=''):
                    c=c+1
            if c==4:
                G=G+" "
            return G
        def P_Name(P):
            c=0
            for i in range(0,len(P)):
                if(P[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                P=P+' '
            return P
        def Symptom_(D):
            c=0
            for i in range(0,len(D)):
                if(D[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                D=D+' '
            return D
        Patient_Name=input('Enter the name of Patient:')
        Mobile_No=int(input('Enter Mobile Number:'))
        Gender=input('Enter Gender of the Patient:')
        Age=int(input('Enter the Age of Patient:'))
        Height_cm_=int(input('Enter the Height of Patient:'))
        Weight_kg_=int(input('Enter the Weight of Patient:'))
        Dt_admit=input('Enter the Date:')
        Symptom=input('Enter the Symptom of Patient:')
        dr_id=input("Enter Doctor's Id:")
        Null=' '
        P=P_Name(Patient_Name)
        G=Gender_(Gender)
        S=Symptom_(Symptom)
        a=random.choice('ABCDEFGHIJKLMNPQRSTUVWXYZ')
        b=random.choice('1234567890')
        print(P,dr_id)
```

Ln: 1 Col: 0

```
Add_Receptionist.py - D:\Ahsan - My Studies Related\00 12th Comp_Project\Hospital_Functions>Add_Receptionist.py (3.9.6)
File Edit Format Run Options Window Help

def Add_Receipt():
    import mysql.connector as myc
    import random
    db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL1',database='comp_project')
    cur=db.cursor()
    try:
        def Gender_(Gender):
            c=0
            for i in range(0, len(Gender)):
                if(Gender[i]!=' '):
                    c=c+1
            if c==4:
                Gender=Gender+" "
            return Gender
        def R_Name(R):
            c=0
            for i in range(0,len(R)):
                if(R[i]!=' '):
                    c=c+1
            e=20-c
            for i in range(0,e):
                R=R+' '
            return R
        R_Nam=input('Enter the name of Receptionist:')
        Gender=input('Enter Gender of the Receptionist:')
        Age=int(input('Enter the Age of the Receptionist:'))
        Salary=int(input('Enter the Salary of the Receptionist:'))
        Passwd=input('Enter The Password (5 Characters):')
        Work_Ho=input('Enter the Working Hours(--AM --PM):')
        R=R_Name(R_Nam)
        G=Gender_(Gender)
        a=random.choice('ABCDEFGHIJKLMNOPQRSTUVWXYZ')
        b=random.choice('1234567890')
        c=random.choice('1234567890')
        R_id=str(a)+str(b)+str(c)
        q="insert into Receptionist values('','"+R+"','"+G+"','"+Age+"','"+Salary+"','"+Passwd+"','"+Work_Ho+"')"
        cur.execute(q)
        db.commit()
        print(cur.rowcount,'Record(s) inserted')
        print('******')
        print('Your R_id is',R_id)
        print('******')
        cur.close()
        db.close()
    except Exception as Error:
        print(Error)
```

```
Bill.py - D:\(Ahsan) - My Studies Related\012th Comp_Project\Hospital_Functions\Bill.py (3.9.6)
File Edit Format Run Options Window Help

def Bill():
    import mysql.connector as myc
    import datetime
    import random
    import math
    def Tup_str(T):
        st=""
        for i in T:
            st+=i
        return st
    db=myc.connect(host='localhost',user='root',port='3307',passwd='MySql1',database='comp_project')
    cur=db.cursor()
    P=input('Enter P_Code:')
    Q=int(input('Enter The Quantity of Medicine:'))
    q="select Patient_name from Patient where P_code='{}'".format(P)
    cur.execute(q)
    All=cur.fetchall()
    A=All[0]
    Fa=Tup_str(A)
    Ag="select Age from Patient where P_code='{}'".format(P)
    cur.execute(Ag)
    All=cur.fetchall()
    A=All[0]
    Age=Tup_str(A)
    r="select Dr_Name from Patient,Doctor where Doctor.dr_id=Patient.dr_id and P_code='{}'".format(P)
    cur.execute(r)
    All=cur.fetchall()
    B=All[0]
    Dr=Tup_str(B)
    M="select Med_Prescribed from Patient where P_code='{}'".format(P)
    cur.execute(M)
    All=cur.fetchall()
    C=All[0]
    Med=Tup_str(C)
    M_C="select M_code from Medicine where Med_Name='{}'".format(Med)
    cur.execute(M_C)
    All=cur.fetchall()
    C=All[0]
    Mc=Tup_str(C)
    Pr="select Price from Medicine where Med_Name='{}'".format(Med)
    cur.execute(Pr)
    All=cur.fetchall()
    D=All[0]
    Price=Tup_str(D)
    def T_Sec(s):
        c=0
        for i in range(0,len(s)):
            if s[i]=='.':
```

```
File Edit Format Run Options Window Help
def Delete_Recept():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySql1',database='comp_project')
        cur=db.cursor()
        R_id=input('Enter R_code:')
        q="Delete from Receptionist where R_code='{}'".format(R_id)
        cur.execute(q)
        db.commit()
        print(cur.rowcount,'Deleted')
        cur.close()
        db.close()
    except Exception as Error:
        print(Error)
```

The screenshot shows a Python code editor window with the title 'Display_allPatient.py - D:\(Ahsan) - My Studies Related\0 12th Comp_Project\Hospital_Functions\Display_allPatient.py (3.9.6)'. The code defines a function 'Display_All_Pa()' that connects to a MySQL database, executes a query to select all rows from the 'Patient' table, and prints the results to the console. The results are formatted with column headers and data rows separated by asterisks. An exception handling block is present at the end.

```
def Display_All_Pa():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        q="select * from Patient"
        cur.execute(q)
        All=cur.fetchall()
        print('*****')
        print('P_code ',' Patient_Name ',' Mobile_No ',' Gender ',' Age',' Height',' Weight',' Date ',' Symptom ',' ',' Med_Prescribed ',' ',' Dr_ic')
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end=' ')
                n=n+1
                if n==11:
                    print(' ')
        print('*****')
    except Exception as Error:
        print(Error)
```

The screenshot shows a Python code editor window with the title 'Display_Doc_Adm.py - D:\(Ahsan) - My Studies Related\0 12th Comp_Project\Hospital_Functions\Display_Doc_Adm.py (3.9.6)'. The code defines a function 'Display_Adm()' that connects to a MySQL database, executes a query to select all rows from the 'Doctor' table, and prints the results to the console. The results are formatted with column headers and data rows separated by asterisks. An exception handling block is present at the end.

```
def Display_Adm():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        q="select * from Doctor"
        cur.execute(q)
        All=cur.fetchall()
        print('*****')
        print('Dr_id ',' Dr_Name ',' Gender ',' Specialisaton ',' Age',' Salary',' Fee',' Password')
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end=' ')
                n=n+1
                if n==8:
                    print(' ')
        print('*****')
    except Exception as Error:
        print(Error)
```

Display_Doc_U.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Hospital_Functions\Display_Doc_U.py (3.9.6)

```
def Display_U():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port=3307,passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        q="select dr_id,Dr_Name,Gender,Specialisation,Age,Salary,Fees from Doctor"
        cur.execute(q)
        All=cur.fetchall()
        print('*****')
        print('Dr_id ','Dr_Name ','Gender ','Specialisation ','Age','Salary','Fee')
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end=' ')
                n=n+1
                if n==7:
                    print(' ')
        print('*****')
    except Exception as Error:
        print(Error)
```

Display_Med_Pa_s.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Hospital_Functions\Display_Med_Pa_s.py (3.9.6)

```
def Display_Med_Pa_s():
    import mysql.connector as myc
    try:
        def Tup_str(T):
            st=''
            for i in T:
                st=st+i
            return st
        db=myc.connect(host='localhost',user='root',port=3307,passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        p=input('Enter the P_code:')
        q="select Med_Prescribed from Patient where P_code='{}'.format(p)"
        cur.execute(q)
        All=cur.fetchall()
        A=All[0]
        Med=Tup_str(A)
        c="select * from Medicine where Med_Name='{}'.format(Med)"
        cur.execute(c)
        All=cur.fetchall()
        print('*****')
        print('M_code ','Med_Name ','Price','Symptom')
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end=' ')
                n=n+1
                if n==4:
                    print(' ')
        print('*****')
    except Exception as Error:
        print(Error)
```

```

Display_Medicine.py - D:\Ahsan - My Studies Related\10th Comp_Project\Hospital_Functions\Display_Medicine.py (3.9.6)
File Edit Format Run Options Window Help
def Display_Med():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        q="select * from Medicine"
        cur.execute(q)
        All=cur.fetchall()
        print('*****')
        print('M_code      M_Name      Price     Symptom')
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end='   ')
                n+=1
                if n==4:
                    print(' ')
        print('*****')
    except Exception as Error:
        print(Error)

```

```

Display_Pat_Doctor.py - D:\Ahsan - My Studies Related\10th Comp Project\Hospital Functions\Display_Pat_Doctor.py (3.9.6)
File Edit Format Run Options Window Help
def Display_Pa_Doc():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySQL11',database='comp_project')
        cur=db.cursor()
        while True:
            print("Enter 1 :- To Display The List of Patients under a Dr_id")
            print("Enter 2 :- To Display A Particular Patient under a Dr_id")
            ch=int(input("Enter Your Choice!"))
            if ch==1:
                dr_id=input("Enter the dr_id:")
                q="select * from Patient Where dr_id='"+dr_id+"'.format(dr_id)
                cur.execute(q)
                All=cur.fetchall()
                print('*****')
                print('P_Code      Patient_Name      Mobile_No     Gender     Age     Height     Weight     Date     Symptom     Med_Prescribed     dr_id')
                for x in All:
                    n=0
                    j=list(x)
                    for i in j:
                        print(i,end='   ')
                        n+=1
                        if n==11:
                            print(' ')
                print('*****')
                break
            elif ch==2:
                P_Code=input("Enter the P_Code:")
                dr_id=input("Enter the dr_id:")
                q="select * from Patient Where dr_id='"+dr_id+"' and P_code='"+P_Code+'.format(dr_id,P_Code)
                cur.execute(q)
                All=cur.fetchall()
                print('*****')
                print('P_Code      Patient_Name      Mobile_No     Gender     Age     Height     Weight     Date     Symptom     Med_Prescribed     dr_id')
                for x in All:
                    n=0
                    j=list(x)
                    for i in j:
                        print(i,end='   ')
                        n+=1
                        if n==11:
                            print(' ')
                print('*****')
                break
            else:
                print("Please Enter Valid Option")
    except Exception as Error:
        print(Error)

```

```
Display_Patient.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Hospital_Functions\Display_Patient.py (3.9.6)
File Edit Format Run Options Window Help
def Display_Fa():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySql1',database='comp_project')
        cur=db.cursor()
        while True:
            print("Enter 1 :- If you want to check the Patient details with 'P_code'")
            print("Enter 2 :- If You want to check the Patient details with 'Mobile_No'")
            choice=(input('Enter Your Choice'))
            if choice=='1':
                P_Code=input('Enter the P_Code')
                q="select P_Code,Patient_Name,Mobile_No,Gender,Age,Height_cm_,Weight_Kg_,Dt_admit,Disease,Med_Prescribed,dr_id from Patient where P_Code='{}'".format(P_Code)
                cur.execute(q)
                All=cur.fetchall()
                print("*****")
                print("P_Code ',' Patient_Name ',' Mobile_No ',' Gender ',' Age',' Height',' Weight',' Date ',' Symptom ',' Med_Prescribed ',' dr_id')")
                for x in All:
                    n=0
                    j=list(x)
                    for i in j:
                        print(i,end=' ')
                    n+=1
                    if n==11:
                        print(' ')
                print("*****")
            elif choice=='2':
                M=input('Enter the Mobile_No')
                q="select P_Code,Patient_Name,Mobile_No,Gender,Age,Height_cm_,Weight_Kg_,Dt_admit,Disease,Med_Prescribed,dr_id from Patient where Mobile_No='{}'".format(M)
                cur.execute(q)
                All=cur.fetchall()
                print("*****")
                print("P_Code ',' Patient_Name ',' Mobile_No ',' Gender ',' Age',' Height',' Weight',' Date ',' Symptom ',' Med_Prescribed ',' dr_id')")
                for x in All:
                    n=0
                    j=list(x)
                    for i in j:
                        print(i,end=' ')
                    n+=1
                    if n==11:
                        print(' ')
                print("*****")
            break
        else:
            print('Please Enter Valid Option')
    except Exception as Error:
        print(Error)

```

```
Display_Receptionist.py - D:\Ahsan - My Studies Related\0) 12th Comp_Project\Hospital_Functions\Display_Receptionist.py (3.9.6)
File Edit Format Run Options Window Help
def Display_Recept():
    import mysql.connector as myc
    try:
        db=myc.connect(host='localhost',user='root',port='3307',passwd='MySql1',database='comp_project')
        cur=db.cursor()
        q="select * from Receptionist"
        cur.execute(q)
        All=cur.fetchall()
        print("*****")
        print("R_id ',' R_Name ',' Age ',' Salary',' Work_Hours',' Password',' Gender")
        for x in All:
            n=0
            j=list(x)
            for i in j:
                print(i,end=' ')
            n+=1
            if n==7:
                print(' ')
        print("*****")
    except Exception as Error:
        print(Error)

```

```
File Edit Format Run Options Window Help
def Hire():
    import mysql.connector as myc
    import random
    db=myc.connect(host='localhost',user='root',port=3307,passwd='MySql1',database='comp_project')
    cur=db.cursor()
    try:
        def Gender_(Gender):
            c=0
            for i in range(0, len(Gender)):
                if(Gender[i]!=''):
                    c=c+1
            if c==4:
                Gender=Gender+' '
            return Gender
        def Dr_Name(Doctor_Name):
            c=0
            for i in range(0, len(Doctor_Name)):
                if(Doctor_Name[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                Doctor_Name=Doctor_Name+' '
            return Doctor_Name
        def Specialisation_(S):
            c=0
            for i in range(0, len(S)):
                if(S[i]!=''):
                    c=c+1
            e=20-c
            for i in range(0,e):
                S=S+' '
            return S
        Doctor_Name=input('Enter the name of Doctor:')
        Gender=input('Enter Gender of the Doctor:')
        Specialisation=input('Enter the Specialisation of the Doctor')
        Age=int(input('Enter the Age of Doctor:'))
        Salary=int(input('Enter the Salary of the Doctor:'))
        Fees=int(input('Enter the Fees:'))
        Passwd=input('Enter The Password (5 Characters):')
        D=Dr_Name(Doctor_Name)
        G=Gender_(Gender)
        S=Specialisation_(Specialisation)
        a=random.choice('ABCDEFGHIJKLMNOPQRSTUVWXYZ')
        b=random.choice('1234567890')
        c=random.choice('1234567890')
        d=random.choice('1234567890')
        dr_id=str(a)+str(b)+str(c)+str(d)
        q="Insert into doctor values('{}','{}','{}','{}','{}','{}','{}','{}','{}')".format(dr_id,D,G,S,Age,Salary,Fees,Passwd)
        cur.execute(q)
        db.commit()
        print(cur.rowcount,'Record(s) inserted')
        print("*****")
        print('Your dr_id is',dr_id)
        print("*****")
        cur.close()
        db.close()
    except Exception as Error:
        print(Error)
```

Ln: 1 Col: 0

```
File Edit Format Run Options Window Help
#def Hire():
#    import mysql.connector as myc
#    import random
#    db=myc.connect(host='localhost',user='root',port=3307,passwd='MySql1',database='comp_project')
#    cur=db.cursor()
#    try:
#        def Gender_(Gender):
#            c=0
#            for i in range(0, len(Gender)):
#                if(Gender[i]!=''):
#                    c=c+1
#            if c==4:
#                Gender=Gender+' '
#            return Gender
#        def Dr_Name(Doctor_Name):
#            c=0
#            for i in range(0, len(Doctor_Name)):
#                if(Doctor_Name[i]!=''):
#                    c=c+1
#            e=20-c
#            for i in range(0,e):
#                Doctor_Name=Doctor_Name+' '
#            return Doctor_Name
#        def Specialisation_(S):
#            c=0
#            for i in range(0, len(S)):
#                if(S[i]!=''):
#                    c=c+1
#            e=20-c
#            for i in range(0,e):
#                S=S+' '
#            return S
#        Doctor_Name=input('Enter the name of Doctor:')
#        Gender=input('Enter Gender of the Doctor:')
#        Specialisation=input('Enter the Specialisation of the Doctor')
#        Age=int(input('Enter the Age of Doctor:'))
#        Salary=int(input('Enter the Salary of the Doctor:'))
#        Fees=int(input('Enter the Fees:'))
#        Passwd=input('Enter The Password (5 Characters):')
#        D=Dr_Name(Doctor_Name)
#        G=Gender_(Gender)
#        S=Specialisation_(Specialisation)
#        a=random.choice('ABCDEFGHIJKLMNOPQRSTUVWXYZ')
#        b=random.choice('1234567890')
#        c=random.choice('1234567890')
#        d=random.choice('1234567890')
#        dr_id=str(a)+str(b)+str(c)+str(d)
#        q="Insert into doctor values('{}','{}','{}','{}','{}','{}','{}','{}','{}')".format(dr_id,D,G,S,Age,Salary,Fees,Passwd)
#        cur.execute(q)
#        db.commit()
#        print(cur.rowcount,'Record(s) inserted')
#        print("*****")
#        print('Your dr_id is',dr_id)
#        print("*****")
#        cur.close()
#        db.close()
#    except Exception as Error:
#        print(Error)
```

INPUT

SCREEN



The screenshot shows a Python IDLE Shell window titled "IDLE Shell 3.9.6". The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. Below the menu, it says "Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32". The command prompt shows "Type "help", "copyright", "credits" or "license()" for more information." and "">>>>". A message at the bottom states "==== RESTART: D:\(Ahsan) - My Studies Related\0 12th Comp Project\Main.py ====" followed by a series of asterisks. The main text area displays "Welcome Hospital Management System" in a blue-bordered box. Below this, there is a dashed-line box containing the text: "Enter 1:- To Enter Admin Mode :", "Enter 2:- To Enter User Mode:", and "Enter 3:- To Exit the Database:". At the bottom left, there is a text input field with the placeholder "Enter the Mode:" and a cursor. The bottom right corner of the window shows "Ln: 5 Col: 0".

OUTPUT

SCREEN

```
File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: D:\(Ahsan) - My Studies Related\0) 12th Comp_Project\Main.py ====
***** Welcome Hospital Management System *****
-----
Enter 1:- To Enter Admin Mode :
Enter 2:- To Enter User Mode:
Enter 3:- To Exit the Database:
-----
Enter the Mode:1
*****
|           Welcome to admin mode           |
*****
Enter the Password12ANYY3456
-----
Enter (a) to Manage Doctor Details
Enter (b) to Manage Patient Details
Enter (c) to Manage Receptionist Details
Enter (d) to Manage Medicine Details
Enter (e) to Generate Bill
Enter (f) to Exit Admin Mode:
-----
Enter the Option:a
-----
Enter 1 to Hire a Doctor:
Enter 2 to Display All Doctors:
Enter 3 to Go Back
-----
Enter the Option:1
Enter the name of Doctor:Dr. Gurupreet Singh
Enter Gender of the Doctor:Male
Enter the Specialisation of the Doctor:ENT
Enter the Age of Doctor:36
Enter the Salary of the Doctor:160000
Enter the Fees:225
Enter The Password (5 Characters):ffsf3
1 Record(s) inserted
*****
Your dr_id is s925
*****
```

```
*IDLE Shell 3.9.6*
File Edit Shell Debug Options Window Help
-----
Enter 1 to Hire a Doctor:
Enter 2 to Display All Doctors:
Enter 3 to Go Back
-----
Enter the Option:2
*****
Dr_id Dr_Name Gender Specialisation Age Salary Fee Password
A065 Dr. Deepthi Jacob Female Homeopathy 30 100000 200 adss2
A393 Dr. Manish Bajbhayee Male Radiologist 43 170000 320 d2r43
A413 Dr. Aravind Chaudhry Male Ayurvedic 40 150000 300 Jdsh3
A945 Dr. Manpreet Singh Male Paediatrician 35 120000 250 Vdsj5
C053 Dr. Ashish Khare Male Gastroenterologist 50 300000 600 sduk2
C155 Dr. Neha Lallo Female Gynaecologist 37 250000 500 23efs
C871 Dr. Sanjay Kumar Male Orthologist 33 120000 240 9835e
F729 Dr. B L Jangid Male General Medicine 27 105000 240 fds23
F937 Dr. Lakshmi Prabha Female Psychiatrist 26 200000 400 3df4w
I258 Dr. Rajeev Dhir Male Dentist 29 135000 250 sdgr2
L305 Dr. Seema Bhatwadeka Female Dermatologist 39 130000 340 ervfr
M145 Dr. Rishabh Mathur Male Neurologist 40 175000 300 24343
M726 Dr. Sujata Rathod Female Allergy & Immunology 48 128000 360 ex3vf
N964 Dr. Gunjan Gupta Female ENT 32 110000 120 fbrs1
P705 Dr. Parthiv Shah Male Cardiologist 38 180000 450 12e34
Q358 Dr. Beersheba Nisha Female Plastic Surgeon 24 140000 150 ngfhj
R219 Dr. Vivek Gaur Male Neuro Surgeon 47 220000 360 34tfe
S925 Dr. Gurpreet Singh Male ENT 36 160000 225 ffsf3
T099 Dr. Kavitha Gore Female Ophthalmologist 36 122500 210 345ge
2833 Dr. Kriti Kakabe Female Urologist 56 190000 560 ghff3
2895 Dr. Priya Tiwari Female Oncologist 31 145000 420 mfgdg
*****
Enter 1 to Hire a Doctor:
Enter 2 to Display All Doctors:
Enter 3 to Go Back
-----
Enter the Option:3
-----
Enter (a) to Manage Doctor Details
Enter (b) to Manage Patient Details
Enter (c) to Manage Receptionist Details
Enter (d) to Manage Medicine Details
Enter (e) to Generate Bill
Enter (f) to Exit Admin Mode:
-----
Enter the Option:b
-----
Enter 1 to Add a Patient:

```

Ln: 179 Col: 25

```
*IDLE Shell 3.9.6*
File Edit Shell Debug Options Window Help
Enter the Option:b
-----
Enter 1 to Add a Patient:
Enter 2 to Add Medicine Prescribed by the Doctor:
Enter 3 to Display All Patient's Detail:
Enter 4 to Display a Particular Patient's Detail:
Enter 5 to Go Back
-----
Enter the Option:1
Enter the name of Patient:David Bowie
Enter Mobile Number:4773463445
Enter Gender of the Patient:Male
Enter the Age of Patient:54
Enter the Height of Patient:159
Enter the Weight of Patient:65
Enter the Date:2021-04-01
Enter the Symptom of Patient:Throat Pain
Enter Doctor's Id:S925
1 Record(s) inserted
*****
Your P_code is J54321
*****
Enter 1 to Add a Patient:
Enter 2 to Add Medicine Prescribed by the Doctor:
Enter 3 to Display All Patient's Detail:
Enter 4 to Display a Particular Patient's Detail:
Enter 5 to Go Back
-----
Enter the Option:2
Enter 1 :- If you want to check the Patient details with 'P_code'.
Enter 2 :- If You want to check the Patient details with 'Mobile_No'.
Enter Your Choice:1
Enter the P_Code:J54321
Enter the Medicine Prescribed by Doctor:Cepacol Sorethroat
1 Record(s) Added
-----
Enter 1 to Add a Patient:
Enter 2 to Add Medicine Prescribed by the Doctor:
Enter 3 to Display All Patient's Detail:
Enter 4 to Display a Particular Patient's Detail:
Enter 5 to Go Back
-----
Enter the Option:3
*****
P_code Patient_Name Mobile_No Gender Age Height Weight Date Symptom Med_Prescribed Dr_id
A78835 Vicky Sehgal 1928783497 Male 34 156 70 2021-03-22 Alzheimer Aricept M145

```

Ln: 179 Col: 25

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Enter 2 to Add Medicine Prescribed by the Doctor:
Enter 3 to Display All Patient's Detail:
Enter 4 to Display a Paticular Patient's Detail:
Enter 5 to Go Back
-----
Enter the Option:3
*****
P_code Patient_Name Mobile_No Gender Age Height Weight Date Symptom Med_Prescribed dr_id
A78835 Vicky Sehgal 1928783497 Male 34 156 70 2021-03-22 Alzhemer Aricept M145
B16824 Johns Hopkins 9054378233 Male 65 178 81 2021-12-18 Cavities Analgesics I250
C51979 Ravi Singh 9843783724 Male 39 148 50 2021-05-09 Toxicodendron Rhus Tox A065
C59310 Aswani 2387479132 Female 45 163 68 2021-01-01 Vein Thrombosis Karelto F705
C66956 Gaurav Kumar 9753479234 Male 46 156 67 2021-06-04 Anxiety Citalopram F937
E05592 Madhusmita Mallick 9358329341 Female 10 100 15 2021-06-29 Enterogermina A945
G02005 Tina Arora 9023546652 Female 30 165 74 2021-02-14 Otaigia Antipyrine N964
G27345 Swastika Mishra 8723423431 Female 36 166 71 2021-03-24 Pelvic Pain Advil C155
G85444 Suraj Sawant 2347836473 Male 35 170 70 2021-05-09 Ataxia Baidyanath A413
I13970 Rawwan Ibrahim 7983478954 Male 67 172 83 2021-10-09 Retinitis Pigmentosa Aciclovir T099
I26066 Roc Mathew 7034934244 Male 67 175 63 2021-04-07 Lung Cancer Abraxane Z895
J03227 Meghna Shyan 7942373472 Female 34 155 63 2021-04-04 Rosacea Mirvaso L305
J54231 David Bowie 4773463445 Male 54 159 65 2021-04-01 Throat Pain Cepacol Sorethroat S925
K45277 Saras Gupta 5398474343 Female 43 165 45 2021-05-04 Carotid ---
K91578 Bhau Pradab 8934785476 Male 34 176 80 2021-05-09 Seroma Scavon L305
L38250 Sheeja Anish 3407982784 Female 29 160 63 2021-11-18 Eczema Revital F729
L55946 Priya Jaiswal 9843278343 Female 22 156 45 2021-05-24 Anaemia Tincture Q A413
L78061 Hira Adak 7237349834 Female 76 168 59 2021-03-31 Berberi Benzocaine N964
L98098 Diya Kumari 9769230452 Female 15 145 50 2021-06-19 Ear Pain Cosmegen Z895
N40591 Annu Parthiv 9734872337 Female 56 177 89 2021-07-08 Bone Cancer ---
N56523 Vineeth V.R 5468782389 Male 20 169 55 2021-09-12 Head Injury Latnoprost T099
Q24991 Soumya Jyoti 8745782349 Female 55 156 45 2021-11-03 Glaucoma Motrin IB C871
Q53607 Suma Gowda 8734923893 Female 23 169 67 2021-05-09 Knee Injury Mavret C053
Q92405 Khapri Agarwal 6543434690 Female 34 168 70 2021-09-23 Hepatitis C ---
S69530 Vineeth Nr 3472348745 Male 32 167 78 2021-09-05 Bladder Prolapse ---
T09011 Ashok Sharma 2389242743 Male 43 166 66 2021-09-30 Skin Allergy Hydrocortisone M726
T69998 Venkat Fazal 7453424657 Male 24 172 68 2021-03-17 Migraine Almotriptan F729
U55342 Nandana Dubey 9834773428 Female 24 156 60 2021-05-01 Jock Itch Reckeweg M726
V54223 Amit Sharma 9349459343 Male 40 180 85 2021-07-21 Fever Paracetamol F729
W90782 Vijay Shah 8745332451 Male 11 134 39 2021-02-25 Diphtheria Erythromycin A945
Z47019 Kailish Kumar 7436746237 Male 34 164 53 2021-04-04 Osteoporosis Occidentalis A393
*****
```

Enter 1 to Add a Patient:
 Enter 2 to Add Medicine Prescribed by the Doctor:
 Enter 3 to Display All Patient's Detail:
 Enter 4 to Display a Paticular Patient's Detail:
 Enter 5 to Go Back

Ln: 179 Col: 25

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Enter 1 to Add a Patient:
Enter 2 to Add Medicine Prescribed by the Doctor:
Enter 3 to Display All Patient's Detail:
Enter 4 to Display a Paticular Patient's Detail:
Enter 5 to Go Back
-----
Enter the Option:4
Enter 1 :- If you want to check the Patient details with 'P_code'  

Enter 2 :- If you want to check the Patient details with 'Mobile_No'  

Enter Your Choice:4773463445
Please Enter Valid Option
Enter 1 :- If you want to check the Patient details with 'P_code'  

Enter 2 :- If you want to check the Patient details with 'Mobile_No'  

Enter Your Choice:2
Enter the Mobile No: 4773463445
*****
P_Code Patient_Name Mobile_No Gender Age Height Weight Date Symptom Med_Prescribed dr_id
J54231 David Bowie 4773463445 Male 54 159 65 2021-04-01 Throat Pain Cepacol Sorethroat S925
*****
```

Enter 1 to Add a Patient:
 Enter 2 to Add Medicine Prescribed by the Doctor:
 Enter 3 to Display All Patient's Detail:
 Enter 4 to Display a Paticular Patient's Detail:
 Enter 5 to Go Back

Enter the Option:5

Enter (a) to Manage Doctor Details
 Enter (b) to Manage Patient Details
 Enter (c) to Manage Receptionist Details
 Enter (d) to Manage Medicine Details
 Enter (e) to Generate Bill
 Enter (f) to Exit Admin Mode:

Enter the Option:c

Enter 1 to Add a Receptionist:
 Enter 2 to Display All Receptionists Detail:
 Enter 3 to Delete the Data of A Receptionist:
 Enter 4 to Go Back

Enter the Option:1

Enter the name of Receptionist:Akshat Bhaskar
 Enter Gender of the Receptionist:Male
 Enter the Age of the Receptionist:23
 Enter the Salary of the Receptionist:12000

Ln: 670 Col: 4

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Enter the Option:c
-----
Enter 1 to Add a Receptionist:
Enter 2 to Display All Receptionists Detail:
Enter 3 to Delete the Data of A Receptionist:
Enter 4 to Go Back
-----
Enter the Option:
Enter the name of Receptionist:Akshat Bhaskar
Enter Gender of the Receptionist:Male
Enter the Age of the Receptionist:23
Enter the Salary of the Receptionist:12000
Enter The Password (5 Characters):f4fr3
Enter the Working Hours(--AM - --PM):04AM - 12AM
1 Record(s) inserted
*****
Your R_id is D84
*****
Enter the Option:c
-----
Enter 1 to Add a Receptionist:
Enter 2 to Display All Receptionists Detail:
Enter 3 to Delete the Data of A Receptionist:
Enter 4 to Go Back
-----
Enter the Option:2
*****
R_id      R_Name        Age   Salary  Work_Hours  Password  Gender
D84      Akshat Bhaskar    23    12000  04AM - 12AM  f4fr3    Male
F34      Ankit Kumar       34    20000  08AM - 04PM  sd3sd    Male
G04      Aditi Lal         35    25000  08AM - 04PM  fee3f    Female
G78      Akansha Sharma     23    15000  04AM - 12AM  43f3s    Female
N25      Kendall Bruce      29    18000  12AM - 08PM  3fds3    Male
*****
Enter 1 to Add a Receptionist:
Enter 2 to Display All Receptionists Detail:
Enter 3 to Delete the Data of A Receptionist:
Enter 4 to Go Back
-----
```

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Enter 1 to Add a Receptionist:
Enter 2 to Display All Receptionists Detail:
Enter 3 to Delete the Data of A Receptionist:
Enter 4 to Go Back
-----
Enter the Option:3
Enter R_code:D84
1 Deleted
-----
Enter 1 to Add a Receptionist:
Enter 2 to Display All Receptionists Detail:
Enter 3 to Delete the Data of A Receptionist:
Enter 4 to Go Back
-----
Enter the Option:4
-----
Enter (a) to Manage Doctor Details
Enter (b) to Manage Patient Details
Enter (c) to Manage Receptionist Details
Enter (d) to Manage Medicine Details
Enter (e) to Generate Bill
Enter (f) to Exit Admin Mode:
-----
Enter the Option:d
-----
Enter 1 to Add a Medicine:
Enter 2 to Display All Medicine Details:
Enter 3 to Display Medicine Detail for a Paticular Patient:
Enter 4 to Go Back
-----
Enter the Option:1
Enter the Medicine Name :Cepacol Sorethroat
Enter the Price of the Medicine:900
Enter the Symptom:Throat Pain
1 Record(s) Added
*****
Your M_code is H7793
*****
Enter 1 to Add a Medicine:
Enter 2 to Display All Medicine Details:
Enter 3 to Display Medicine Detail for a Paticular Patient:
Enter 4 to Go Back
-----
Enter the Option:2
*****
M_code      M_Name        Price   Symptom
-----
```

IDLE Shell 3.9.6

File Edit Shell Debug Options Window Help

Enter the Option:2

M_code	M_Name	Price	Symptom
B7279	Citalopram	46	Anxiety
C3620	Xarelto	406	Vein Thrombosis
D2343	Almotriptpan	1350	Migraine
D2916	Motrin IB	2100	Knee Injury
D3170	Rhus Tox	96	Toxicodendron
F8942	Mavyret	13000	Hepatitis C
H7793	Cepacol Sorethroat	900	Throat Pain
I4929	Baidyanath	295	Ataxia
I6850	Cosmegen	500	Bone Cancer
I7278	Analgesics	120	Cavities
J3425	Abraxane	18000	Lung Cancer
J6314	Aciclovir	180	Retinitis Pigmentosa
K4233	Benzocaine	90	Ear Pain
M3421	Antipyrine	75	Otalgia
M8734	Erythromycin	60	Diphtheria
N2370	Reckeweg	271	Jock Itch
O3334	Occidentalis	141	Osteoporosis
O3470	Enterogermina	462	Intestinal Flora
P1751	Latnoprost	360	Glaucoma
P9020	Advil	430	Pelvic Pain
Q7496	Revital	304	Anaemia
R2125	Mirvaso	4500	Rosacea
R4201	Aricept	520	Alzheimer
S3197	Hydrocortisone	600	Skin Allergy
V4332	Paracetamol	40	Fever
W0134	Scavon	140	Eczema
Y7907	Tincture Q	250	Berberi

Enter 1 to Add a Medicine:
 Enter 2 to Display All Medicine Details:
 Enter 3 to Display Medicine Detail for a Paticular Patient:
 Enter 4 to Go Back

Enter the Option:3
 Enter the P_code:J54321

M_code	Med Name	Price	Symptom
H7793	Cepacol Sorethroat	900	Throat Pain

Enter 1 to Add a Medicine:
 Enter 2 to Display All Medicine Details:

In 670 Col 4

IDLE Shell 3.9.6

File Edit Shell Debug Options Window Help

Enter 1 to Add a Medicine:
 Enter 2 to Display All Medicine Details:
 Enter 3 to Display Medicine Detail for a Paticular Patient:
 Enter 4 to Go Back

Enter the Option:4

Enter (a) to Manage Doctor Details
 Enter (b) to Manage Patient Details
 Enter (c) to Manage Receptionist Details
 Enter (d) to Manage Medicine Details
 Enter (e) to Generate Bill
 Enter (f) to Exit Admin Mode:

Enter the Option:4
 Enter P_Code:J54321
 Enter The quantity of Medicine:3

Bill					

A B C HOSPITAL					
PHARMACY					
Address:- Near Malabar House					
Email: Qwertyasdfl23@gmail.com					
Contact No: +91 9074938234					
Date:- 2021-08-13	Time:- 12 : 45 : 9				
Bill Number= 2607899258					
Gst In: 323DSHJ3348SLKU08945					
Patient Name : David Bowie	Age : 54				
Doctor Name : Dr. Gurupreet Singh					
Medicine MRP/perl	Batch	Quantity	Discount	Tax	Total
Cepacol Sorethroat 900	H7793	3	- 27.0	72.0	2745.00
SGST : 137.25	CGST: 137.25		Net Price :	2745.00	
*** WhatsApp No: 9342187343 ***					

Enter (a) to Manage Doctor Details
 Enter (b) to Manage Patient Details
 Enter (c) to Manage Receptionist Details

In 670 Col 4

File Edit Shell Debug Options Window Help

```
*** WhatsApp No: 9342187343 ***
```

```
Enter (a) to Manage Doctor Details
Enter (b) to Manage Patient Details
Enter (c) to Manage Receptionist Details
Enter (d) to Manage Medicine Details
Enter (e) to Generate Bill
Enter (f) to Exit Admin Mode:
```

```
Enter the Option:f
```

```
Enter 1:- To Enter Admin Mode :
Enter 2:- To Enter User Mode:
Enter 3:- To Exit the Database:
```

```
Enter the Mode:
```

```
***** Welcome to User mode *****
```

```
Enter 1 To Enter Receptionist mode:
Enter 2 To Enter Doctor mode:
Enter 3 To Enter Pharmacist mode:
Enter E/e To Exit User Mode:
```

```
Enter Your Option:1
```

```
***** Welcome to Receptionist mode *****
```

```
Enter 1 to Display All Doctors :
Enter 2 to Display a Particular Patient's Detail:
Enter 3 to Add a Patient:
Enter E/e to Exit Receptionist Mode:
```

```
Enter the Option:1
```

Dr_id	Dr_Name	Gender	Specialisation	Age	Salary	Fee
A065	Dr. Deepthi Jacob	Female	Homeopathy	30	100000	200
A393	Dr. Manish Bajhayee	Male	Radiologist	43	170000	320
A413	Dr. Aravind Chaudhry	Male	Ayurvedic	40	150000	300
A945	Dr. Manpreet Singh	Male	Paediatrician	35	120000	250
C053	Dr. Ashish Khare	Male	Gastroenterologist	50	300000	600
C155	Dr. Neha Lallo	Female	Gynaecologist	37	250000	500
C871	Dr. Sanjay Kumar	Male	Orthologist	33	120000	240
F729	Dr. B L Jangid	Male	General Medicine	27	105000	240

Ln: 670 Col: 4

File Edit Shell Debug Options Window Help

```
Enter the Option:1
```

Dr_id	Dr_Name	Gender	Specialisation	Age	Salary	Fee
A065	Dr. Deepthi Jacob	Female	Homeopathy	30	100000	200
A393	Dr. Manish Bajhayee	Male	Radiologist	43	170000	320
A413	Dr. Aravind Chaudhry	Male	Ayurvedic	40	150000	300
A945	Dr. Manpreet Singh	Male	Paediatrician	35	120000	250
C053	Dr. Ashish Khare	Male	Gastroenterologist	50	300000	600
C155	Dr. Neha Lallo	Female	Gynaecologist	37	250000	500
C871	Dr. Sanjay Kumar	Male	Orthologist	33	120000	240
F729	Dr. B L Jangid	Male	General Medicine	27	105000	240
F937	Dr. Lakshmi Prabha	Female	Psychiatrist	26	200000	400
I258	Dr. Rajeev Dhir	Male	Dentist	29	135000	250
L305	Dr. Seema Bhawadeka	Female	Dermatologist	39	130000	340
M145	Dr. Rishabh Mathur	Male	Neurologist	40	175000	300
M726	Dr. Sujata Rathod	Female	Allergy & Immunology	48	128000	360
N964	Dr. Gunjan Gupta	Female	ENT	32	110000	120
P705	Dr. Parthiv Shah	Male	Cardiologist	38	180000	450
Q358	Dr. Beersheba Nisha	Female	Plastic Surgeon	24	140000	150
R219	Dr. Vivek Gaur	Male	Neuro Surgeon	47	220000	360
S925	Dr. Gurupreet Singh	Male	ENT	36	160000	225
T099	Dr. Kavitha Gore	Female	Ophthalmologist	36	122500	210
Z833	Dr. Kriti Kakabe	Female	Urologist	56	190000	560
Z895	Dr. Priya Tiwari	Female	Oncologist	31	145000	420

```
Enter 1 to Display All Doctors :
Enter 2 to Display a Particular Patient's Detail:
Enter 3 to Add a Patient:
Enter E/e to Exit Receptionist Mode:
```

```
Enter the Option:2
```

```
Enter 1 :- If you want to check the Patient details with 'P_code'
Enter 2 :- If You want to check the Patient details with 'Mobile_No'
Enter Your Choice:1
```

```
Enter the P_Code:J54321
```

P_Code	Patient_Name	Mobile_No	Gender	Age	Height	Weight	Date	Symptom	Med_Prescribed	dr_id
J54321	David Bowie	4773463445	Male	54	159	65	2021-04-01	Throat Pain	Cepacol Sorethroat	S925

```
Enter 1 to Display All Doctors :
Enter 2 to Display a Particular Patient's Detail:
Enter 3 to Add a Patient:
Enter E/e to Exit Receptionist Mode:
```

```
Enter the Option:e
```

Ln: 896 Col: 4

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help

Enter 1 To Enter Receptionist mode:
Enter 2 To Enter Doctor mode:
Enter 3 To Enter Pharmacist mode:
Enter E/e To Exit User Mode:
-----
Enter Your Option:2
*****
|           Welcome to Doctor mode           |
*****
-----
Enter 1 to Add Medicine Prescribed by the Doctor:
Enter 2 to Display List of Patients and Particular Patient:
Enter 3 to Display Medicines:
Enter E/e to Exit Doctor Mode:
-----
Enter the Option:2
Enter 1 :- To Display The List of Patients under a Dr_id'
Enter 2 :- To Display a Particular Patient under a Dr_id'
Enter Your Choice:1
Enter the dr_id:s925
*****
P_Code      Patient_Name      Mobile_No     Gender   Age    Height   Weight   Date       Symptom      Med_Prescribed      dr_id
J54321      David Bowie       4773463445   Male     54     159     65      2021-04-01  Throat Pain   Cepacol Sorethroat   s925
*****


Enter 1 to Add Medicine Prescribed by the Doctor:
Enter 2 to Display List of Patients and Particular Patient:
Enter 3 to Display Medicines:
Enter E/e to Exit Doctor Mode:
-----
Enter the Option:2
Enter 1 :- To Display The List of Patients under a Dr_id'
Enter 2 :- To Display a Particular Patient under a Dr_id'
Enter Your Choice:2
Enter the P_Code:J54321
Enter the dr_id:s925
*****
P_Code      Patient_Name      Mobile_No     Gender   Age    Height   Weight   Date       Symptom      Med_Prescribed      dr_id
J54321      David Bowie       4773463445   Male     54     159     65      2021-04-01  Throat Pain   Cepacol Sorethroat   s925
*****


Enter 1 to Add Medicine Prescribed by the Doctor:
Enter 2 to Display List of Patients and Particular Patient:
Enter 3 to Display Medicines:
Enter E/e to Exit Doctor Mode:
-----
```

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
*****


Enter 1 To Add Medicine Prescribed by the Doctor:
Enter 2 To Display List of Patients and Particular Patient:
Enter 3 To Display Medicines:
Enter E/e to Exit Doctor Mode:
-----
Enter the Option:3
*****
M_code      M_Name          Price   Symptom
B7279      Citalopram       46      Anxiety
C3620      Xarelto          406     Vein Thrombosis
D2343      Amitriptipan     1350    Migraine
D2916      Motrin IB         2100    Knee Injury
D3170      Rhus Tox          96      Toxicodendron
F8942      Maygret          13000   Hepatitis C
H7793      Cepacol Sorethroat 900    Throat Pain
I4929      Baidyanath        295     Ataxia
I6850      Cosmegen          500     Bone Cancer
I7278      Analgesics         120     Cavities
J3425      Abraxane          18000   Lung Cancer
J6314      Aciclovir          180     Retinitis Pigmentosa
K4233      Benzoquine         90      Ear Pain
M3421      Antipyrine         75      Oticalgia
M8734      Erythromycin       60      Diphtheria
N2370      Reckeweg           271     Jock Itch
O3334      Occidentalis       141     Osteoporosis
O3470      Enterogermina       462     Intestinal Flora
P1751      Latenoprost         360     Glaucoma
P9020      Advil               430     Pelvic Pain
Q7496      Revital             304     Anaemia
R2125      Mirvaso            4500    Rosacea
R4201      Aricept             520     Alzheimer
S3197      Hydrocortisone       600     Skin Allergy
V4332      Paracetamol         40      Fever
W0134      Scavon              140     Eczema
Y7907      Tincture Q          250     Berberi
*****


Enter 1 to Add Medicine Prescribed by the Doctor:
Enter 2 to Display List of Patients and Particular Patient:
Enter 3 to Display Medicines:
Enter E/e to Exit Doctor Mode:
-----
Enter the Option:e
Enter 1 To Enter Receptionist mode:
```

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Enter the Option:e
-----
Enter 1 To Enter Receptionist mode:
Enter 2 To Enter Doctor mode:
Enter 3 To Enter Pharmacist mode:
Enter E/e To Exit User Mode:
-----
Enter Your Option:3
*****
|           Welcome to Pharmacist mode           |
*****
-----
Enter 1 to Add Medicine:
Enter 2 to Display Medicine:
Enter 3 to Generate Bill:
Enter E/e to Exit Pharmacist Mode:
-----
Enter the Option:3
Enter P_Code:A78835
Enter The Quantity of Medicine:4
*****
|           Bill           |
*****
|-----|
|          A B C HOSPITAL          |
|          PHARMACY               |
|          Contact No: +91 9074938234 |
|          Address:- Near Malabar House |
|          Email: Qwertyasdf123@gmail.com |
|-----|
| Date:- 2021-08-13                Time:- 13 : 4 : 3 |
| Bill Number: 2820805075          |
| Gst_In: 323DSHJ3348SLKU08945      |
| Patient Name : Vicky Sehgal       Age : 34 |
| Doctor Name : Dr. Rishabh Mathur   |
|-----|
| Medicine     MRP/per1    Batch    Quantity   Discount   Tax     Total |
| Aricept      520          R4201    4          - 15.6    41.6    2106.00 |
|-----|
| SGST : 105.30          CGST: 105.30          Net Price : 2106.00 |
|-----|
| *** WhatsApp No: 9342187343 ***
|-----|
Enter 1 to Add Medicine:

```

Ln: 899 Col: 4

```

IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
-----
|-----|
| Date:- 2021-08-13                Time:- 13 : 4 : 3 |
| Bill Number: 2820805075          |
| Gst_In: 323DSHJ3348SLKU08945      |
| Patient Name : Vicky Sehgal       Age : 34 |
| Doctor Name : Dr. Rishabh Mathur   |
|-----|
| Medicine     MRP/per1    Batch    Quantity   Discount   Tax     Total |
| Aricept      520          R4201    4          - 15.6    41.6    2106.00 |
|-----|
| SGST : 105.30          CGST: 105.30          Net Price : 2106.00 |
|-----|
| *** WhatsApp No: 9342187343 ***
|-----|
Enter 1 to Add Medicine:
Enter 2 to Display Medicine:
Enter 3 to Generate Bill:
Enter E/e to Exit Pharmacist Mode:
-----
Enter the Option:e
-----
Enter 1 To Enter Receptionist mode:
Enter 2 To Enter Doctor mode:
Enter 3 To Enter Pharmacist mode:
Enter E/e To Exit User Mode:
-----
Enter Your Option:e
-----
Enter 1:- To Enter Admin Mode :
Enter 2:- To Enter User Mode:
Enter 3:- To Exit the Database:
-----
Enter the Mode:3
*****
* Thank You For Your Pleasure Time*
* Always Welcome To Our Database *
*****
* @ Visit Again @ *
*****
*****
```

Ln: 899 Col: 4

TABLES

INVOLVED

```
D:\MySQL\MySQL Server 5.1\bin\mysql.exe
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 43
Server version: 5.1.53-community MySQL Community Server (GPL)

Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.
This software comes with ABSOLUTELY NO WARRANTY. This is free software,
and you are welcome to modify and redistribute it under the GPL v2 license

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use comp_project;
Database changed
mysql> select * from Doctor;

+-----+-----+-----+-----+-----+-----+-----+
| dr_id | Dr_Name | Gender | Specialisation | Age | Salary | Fees |
+-----+-----+-----+-----+-----+-----+-----+
| A065 | Dr. Deepthi Jacob | Female | Homeopathy | 30 | 100000 | 200 |
| A393 | Dr. Manish Bajbhayee | Male | Radiologist | 43 | 170000 | 328 |
| A413 | Dr. Aravind Chaudhry | Male | Ayurvedic | 40 | 150000 | 300 |
| A945 | Dr. Manpreet Singh | Male | Paediatrician | 35 | 120000 | 250 |
| C053 | Dr. Ashish Khare | Male | Gastroenterologist | 50 | 300000 | 600 |
| C155 | Dr. Neha Lallo | Female | Gynaecologist | 37 | 250000 | 500 |
| C871 | Dr. Sanjay Kumar | Male | Orthologist | 33 | 120000 | 248 |
| F729 | Dr. B L Jangid | Male | General Medicine | 27 | 165000 | 248 |
| F937 | Dr. Lakshmi Prabha | Female | Psychiatrist | 26 | 200000 | 400 |
| I258 | Dr. Rajeev Dhir | Male | Dentist | 29 | 135000 | 250 |
| L305 | Dr. Seema Bhatwadeka | Female | Dermatologist | 39 | 130000 | 348 |
| M145 | Dr. Rishabh Mathur | Male | Neurologist | 40 | 175000 | 300 |
| M726 | Dr. Sujata Rathod | Female | Allergy & Immunology | 48 | 128000 | 368 |
| N964 | Dr. Gunjan Gupta | Female | ENT | 32 | 110000 | 128 |
| P705 | Dr. Parthiv Shah | Male | Cardiologist | 38 | 180000 | 450 |
| Q356 | Dr. Beersheba Nisha | Female | Plastic Surgeon | 24 | 140000 | 158 |
| R219 | Dr. Vivek Gaur | Male | Neuro Surgeon | 47 | 220000 | 368 |
| S925 | Dr. Gurupreet Singh | Male | ENT | 36 | 160000 | 225 |
| T099 | Dr. Kavitha Gong | Female | Ophthalmologist | 36 | 122500 | 210 |
| Z833 | Dr. Kriti Kakabe | Female | Urologist | 56 | 190000 | 560 |
| Z895 | Dr. Priya Tiwari | Female | Oncologist | 31 | 145000 | 420 |
+-----+-----+-----+-----+-----+-----+-----+
21 rows in set (0.00 sec)

mysql>
```

```
D:\MySQL\MySQL Server 5.1\bin\mysql.exe
21 rows in set (0.00 sec)

mysql> select * from Patient;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| P_code | Patient_name | Mobile_No | Gender | Age | Height_cm_ | Weight_Kg_ | Dt_admit | Disease | Med_Prescribed | dr_id |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| A78835 | Vicky Sehgal | 1928783497 | Male | 34 | 156 | 70 | 2021-03-22 | Alzheimer | Aricept | M145 |
| B16824 | Johns Hopkins | 9854378233 | Male | 65 | 178 | 81 | 2021-12-18 | Cavities | Analgesics | I258 |
| C51970 | Ravi Singh | 9843783724 | Male | 39 | 148 | 50 | 2021-05-09 | Taxicodendron | Rhus Tox | A065 |
| C59310 | Aswani | 2387479132 | Female | 45 | 163 | 68 | 2021-01-01 | Vein Thrombosis | Xarelto | P705 |
| C66956 | Gaurav Kumar | 9753479234 | Male | 46 | 156 | 67 | 2021-06-04 | Anxiety | Citalopram | F937 |
| E05592 | Madhusmita Mallick | 9358329341 | Female | 10 | 100 | 15 | 2021-06-29 | Intestinal Flora | Enterogermina | A045 |
| G02005 | Tina Arora | 9023546652 | Female | 30 | 165 | 74 | 2021-02-14 | Otolgia | Antipyrine | N064 |
| G27345 | Swastika Mishra | 8723423431 | Female | 36 | 166 | 71 | 2021-03-24 | Pelvic Pain | Advil | C155 |
| G85444 | Suraj Sawant | 2347836473 | Male | 35 | 170 | 78 | 2021-05-09 | Ataxia | Baidyanath | A413 |
| I13970 | Raswan Ibrahim | 7983478954 | Male | 67 | 172 | 83 | 2021-10-09 | Retinitis Pigmentosa | Aciclovir | T099 |
| I26666 | Roc Mathew | 703493444 | Male | 67 | 175 | 63 | 2021-04-07 | Lung Cancer | Abraxane | Z895 |
| J03227 | Meghna Shyan | 7942373472 | Female | 34 | 155 | 63 | 2021-04-04 | Rosacea | Mirvaso | L305 |
| J54321 | David Bowie | 4773463445 | Male | 54 | 159 | 65 | 2021-04-01 | Throat Pain | Cepacol Sorethroat | S925 |
| K45277 | Saras Gupta | 5398474343 | Female | 43 | 165 | 45 | 2021-05-01 | Carotid | --- | R219 |
| K91578 | Bhuan Pradab | 8934785476 | Male | 34 | 176 | 89 | 2021-05-09 | Seroma | --- | Q358 |
| L38250 | Sheeja Anish | 3487982784 | Female | 29 | 160 | 63 | 2021-11-18 | Eczema | Scavon | L305 |
| L55946 | Priya Jaismal | 9843278343 | Female | 22 | 156 | 45 | 2021-05-24 | Anaemia | Revital | F729 |
| L78061 | Hiru Adak | 7237349834 | Female | 76 | 168 | 59 | 2021-03-31 | Berberi | Tincture Q | A413 |
| L98098 | Diya Kumari | 9769230452 | Female | 15 | 145 | 50 | 2021-06-19 | Ear Pain | Benzocaine | N964 |
| N40591 | Anna Parthiv | 9734872337 | Female | 56 | 177 | 89 | 2021-07-08 | Bone Cancer | Cosmegen | Z895 |
| N56523 | Vineeth V.R | 5468782389 | Male | 20 | 169 | 55 | 2021-09-12 | Head Injury | --- | A393 |
| Q24991 | Soumya Jyoti | 8745782349 | Female | 55 | 156 | 45 | 2021-11-03 | Glaucoma | Latnoprost | T099 |
| Q53607 | Suma Gowda | 8734923893 | Female | 23 | 169 | 67 | 2021-05-08 | Knee Injury | Motrin IB | C871 |
| Q92405 | Khapri Agarwal | 6543434690 | Female | 34 | 168 | 70 | 2021-09-23 | Hepatitis C | Mayret | C053 |
| S69530 | Vineeth Nr | 3472348745 | Male | 32 | 167 | 78 | 2021-09-05 | Bladder Prolapse | --- | Z833 |
| T09011 | Ashok Sharma | 2389242743 | Male | 43 | 166 | 66 | 2021-09-30 | Skin Allergy | Hydrocortisone | M726 |
| T69898 | Venkat Fazal | 7453424657 | Male | 24 | 172 | 68 | 2021-03-17 | Migraine | Almotriptan | F729 |
| U55342 | Nandana Dubey | 9834773428 | Female | 24 | 156 | 60 | 2021-05-01 | Jock Itch | Reckeweg | M726 |
| V54223 | Amit Sharma | 9349459343 | Male | 40 | 180 | 85 | 2021-07-21 | Fever | Paracetamol | F729 |
| W00782 | Vijay Shah | 8745332451 | Male | 11 | 134 | 39 | 2021-02-25 | Diphtheria | Erythromycin | A045 |
| Z47019 | Kailish Kumar | 7436748237 | Male | 34 | 164 | 53 | 2021-04-04 | Osteoporosis | Occidentalis | A393 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
31 rows in set (0.00 sec)

mysql>
```

```
D:\MySQL\MySQL Server 5.1\bin\mysql.exe
mysql> select * from Medicine;
+-----+-----+-----+
| M_code | Med_Name | Price | Disease |
+-----+-----+-----+
| B7279 | Citalopram | 46 | Anxiety |
| C3620 | Xarelto | 406 | Vein Thrombosis |
| D2343 | Almotriptpan | 1350 | Migraine |
| D2916 | Motrin IB | 2100 | Knee Injury |
| D3170 | Rhus Tox | 96 | Toxicodendron |
| F8942 | Mayret | 13000 | Hepatitis C |
| H7793 | Cepacol Sorethroat | 900 | Throat Pain |
| I4929 | Baidyanath | 295 | Ataxia |
| I68580 | Cosmegen | 500 | Bone Cancer |
| I7278 | Analgesics | 120 | Cavities |
| J3425 | Abraxane | 18000 | Lung Cancer |
| J6314 | Aciclovir | 180 | Retinitis Pigmentosa |
| K4233 | Benzocaine | 96 | Ear Pain |
| M3421 | Antipyrine | 75 | Otolgia |
| M8734 | Erythromycin | 60 | Diphtheria |
| N2370 | Reckeweg | 271 | Jock Itch |
| O3334 | Occidentalis | 141 | Osteoporosis |
| O3470 | Enterogermina | 462 | Intestinal Flora |
| P1751 | Latnoprost | 360 | Glaucoma |
| P9020 | Advil | 430 | Pelvic Pain |
| Q7496 | Revital | 304 | Anaemia |
| R2125 | Mirvaso | 4500 | Rosacea |
| R4201 | Aricept | 520 | Alzheimer |
| S3197 | Hydrocortisone | 600 | Skin Allergy |
| V4332 | Paracetamol | 40 | Fever |
| W0134 | Scavon | 140 | Eczema |
| Y7907 | Tincture Q | 250 | Berberi |
+-----+-----+-----+
27 rows in set (0.00 sec)

mysql> select * from Receptionist;
+-----+-----+-----+-----+-----+-----+
| R_code | R_Name | Age | Salary | Work_Hours | Password | Gender |
+-----+-----+-----+-----+-----+-----+
| F34 | Ankit Kumar | 34 | 20000 | 08AM - 04PM | sd3sd | Male |
| G04 | Aditi Lal | 35 | 25000 | 08AM - 04PM | fee3f | Female |
| G78 | Akansha Sharma | 23 | 15000 | 04AM - 12AM | 43f3s | Female |
| N25 | Kendall Bruce | 29 | 18000 | 12AM - 08PM | 3fds3 | Male |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

CONCLUSION

THE HOSPITAL MANAGEMENT SYSTEM PROJECT IS WRITTEN IN PYTHON AND MySQL. THE PROJECT FILE CONTAINS A PYTHON SCRIPT AND MySQL DATABASE.

THIS IS A SIMPLE GUI-BASED WEB APPLICATION THAT IS VERY EASY TO UNDERSTAND AND USE. TALKING ABOUT THE APPLICATION, THE USER CAN EASILY VIEW TOTAL PATIENTS, DOCTORS, MEDICINES AND MANAGE THEM ALL.

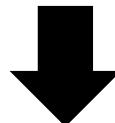
**TO RUN THE PROJECT, YOU MUST
HAVE INSTALLED PYTHON AND MY
SQL ON YOUR PC.**

**THIS HOSPITAL MANAGEMENT
SYSTEM PROJECT IS ESPECIALLY FOR
BEGINNERS.**

**THE HOSPITAL MANAGEMENT
SYSTEM IN PYTHON WITH SOURCE
CODE IS FREE TO DOWNLOAD. USE
FOR EDUCATIONAL PURPOSES ONLY!**

FOR THE PROJECT DEMO,

CLICK HERE



PYTHON FUNCTIONS

BIBLIOGRAPHY

**1. COMPUTER
SCIENCE WITH
PYTHON (SULTHAN
CHAND)**

**2. COMPUTER
SCIENCE WITH
PYTHON (SUMITHA
ARORA)**

