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**SYSTEM REQUIRED FOR PROJECT**

RECOMMENDED SYSTEM REQUIREMENT:

* Processor: Intel\*CoreTMi5 processor 4300M at 2.60GHz
* Disk space: 2 to 4 GB
* Operating systems: Windows10
* Python version: 3.7.9 or higher

MINIMUM SYSTEM REQUIREMENT:

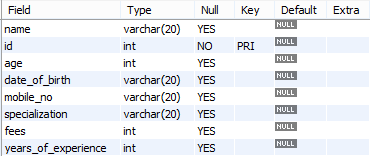
* Processor: intel atom processor or Intel\*CoreTM i3 processor
* Disk space: 1GB
* Operating systems: Windows7 or 10
* Python version: 3.5

**Backend Details**

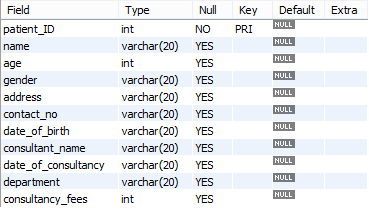
Database name: Practise

**Tables**:

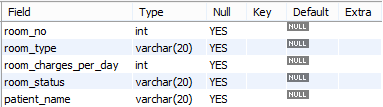
1. Doctors



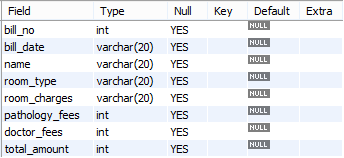
2.Patients



3.Room-info



4.Bill-details



**SOURCE CODE**

**import** **sys**

**import** **mysql.connector** **as** **sq**

**def** connection():

**try**:

con=sq.connect(host="localhost",user="root",password="dudelakshay17",database="practise")

**if** con.is\_connected()==False:

**print**("database not connected")

**else**:

**return** con

**except** sq.Error **as** er:

**print**(er)

**def** insertion():

**try**:

con=connection()

cur=con.cursor()

name=input("enter name of doctor :")

id=int(input("enter id of doctor :"))

age=int(input("enter age of doctor :"))

date\_of\_birth=input("enter date of birth of doctor[DDMMYYYY]:")

mobile\_no=input("enter mobile no of doctor :")

specialization=input("enter specialization of doctor :")

fees=int(input("enter fees of doctor :"))

years\_of\_experience=int(input("enter years of experience :"))

cur.execute("insert into doctors(name,id,age,date\_of\_birth,mobile\_no,specialization,fees,years\_of\_experience)values('**%s**',**%d**,**%d**,'**%s**','**%s**','**%s**',**%d**,**%d**)"%(name,id,age,date\_of\_birth,mobile\_no,specialization,fees,years\_of\_experience))

**print**()

**print**("data inserted successfully")

con.commit()

**except** sq.Error **as** er:

**print**(er)

**def** display():

**try**:

con=connection()

cur=con.cursor()

cur.execute("select \* from doctors")

**for** i **in** cur.fetchall():

**print**(i)

**except** sq.Error **as** er:

**print**(er)

**def** updation():

**try**:

con=connection()

cur=con.cursor()

name=input("Enter name of doctor :")

id=int(input("Enter id of doctor :"))

age=int(input("Enter age of doctor :"))

date\_of\_birth=input("Enter date of birth of doctor :")

mobile\_no=input("Enter mobile no of doctor :")

specialization=input("Enter specialization of doctor :")

fees=int(input("Enter fees of doctor :"))

years\_of\_experience=int(input("Enter years of experience :"))

cur.execute("update doctors set name='**%s**',age=**%d**, date\_of\_birth='**%s**', mobile\_no='**%s**', specialization='**%s**', fees=**%d**,years\_of\_experience=**%d** where id= **%d**"%(name,age,date\_of\_birth,mobile\_no,specialization,fees,years\_of\_experience,id))

**print**()

con.commit()

**print**("Data updated successfully")

**except** sq.Error **as** er:

**print**(er)

**def** deletion():

**try**:

con=connection()

cur=con.cursor()

id=int(input("Enter id of doctor whose record you want to delete **\n**Enter id :"))

cur.execute("Delete from doctors where id= **%d**"%(id))

**print**()

con.commit()

**print**("Data Deleted successfully :")

**except** sq.Error **as** er:

**print**(er)

**def** insertion1():

**try**:

con=connection()

cur=con.cursor()

patient\_ID=int(input("Enter id of patient :"))

name=input("Enter name of patient :")

age=int(input("Enter age of patient :"))

gender=input("Enter gender of patient :")

address=input("Enter address of patient :")

contact\_no=input("Enter contact no of patient :")

date\_of\_birth=input("Enter date of birth of patient :")

consultant\_name=input("Consultant's name :")

date\_of\_consultancy=input("Enter date of consultancy of patient :")

department=input("Enter department of patient :")

consultancy\_fees=int(input("Enter consultancy fees of patient :"))

cur.execute("insert into patients( patient\_ID,name,age,gender,address,contact\_no,date\_of\_birth,consultant\_name,date\_of\_consultancy,department,consultancy\_fees)values(**%d**,'**%s**',**%d**,'**%s**','**%s**','**%s**','**%s**','**%s**','**%s**','**%s**',**%d**)"%( patient\_ID,name,age,gender,address,contact\_no,date\_of\_birth,consultant\_name,date\_of\_consultancy,department,consultancy\_fees))

**print**()

**print**("Data inserted successfully")

con.commit()

**except** sq.Error **as** er:

**print**(er)

**def** display1():

**try**:

con=connection()

cur=con.cursor()

cur.execute("select \* from patients")

**for** i **in** cur.fetchall():

**print**(i)

**except** sq.Error **as** er:

**print**(er)

**def** updation1():

**try**:

con=connection()

cur=con.cursor()

patient\_ID=int(input("Enter id of patient :"))

name=input("Enter name of patient :")

age=int(input("Enter age of patient :"))

gender=input("Enter gender of patient :")

address=input("Enter address of patient :")

contact\_no=input("Enter contact no of patient :")

date\_of\_birth=input("Enter date of birth of patient :")

consultant\_name=input("Enter consultant name of patient :")

date\_of\_consultancy=input("Enter date of consultancy of patient :")

department=input("Enter department of patients :")

consultancy\_fees=int(input("Enter consultancy fees of patient :"))

cur.execute("update patients set name='**%s**',age=**%d** ,gender='**%s**',address='**%s**',contact\_no='**%s**',date\_of\_birth='**%s**',consultant\_name='**%s**',date\_of\_consultancy='**%s**',department='**%s**',consultancy\_fees=**%d** where patient\_ID= **%d**"%(name,age,gender,address,contact\_no,date\_of\_birth,consultant\_name,date\_of\_consultancy,department,consultancy\_fees,patient\_ID))

**print**()

con.commit()

**print**("Data updated successfully")

**except** sq.Error **as** er:

**print**(er)

**def** deletion1():

**try**:

con=connection()

cur=con.cursor()

patient\_ID=int(input("Enter id of patient whose record you want to delete **\n**Enter id :"))

cur.execute("Delete from patients where patient\_ID= **%d**"%(patient\_ID))

**print**()

con.commit()

**print**("Data Deleted successfully")

**except** sq.Error **as** er:

**print**(er)

**def** insertion2():

**try**:

con=connection()

cur=con.cursor()

room\_no=int(input("Enter room no :"))

room\_type=input("Enter room type :")

room\_charges\_per\_day=int(input("Enter room charges per day :"))

room\_status=input("Enter room status :")

patient\_name=input("Enter patient name :")

cur.execute("insert into room\_info(room\_no, room\_type, room\_charges\_per\_day, room\_status, patient\_name )values(**%d**,'**%s**',**%d**,'**%s**','**%s**')"%(room\_no, room\_type, room\_charges\_per\_day, room\_status, patient\_name ))

**print**()

**print**("Data inserted successfully")

con.commit()

**except** sq.Error **as** er:

**print**(er)

**def** display2():

**try**:

con=connection()

cur=con.cursor()

cur.execute("select \* from room\_info")

**for** i **in** cur.fetchall():

**print**(i)

**except** sq.Error **as** er:

**print**(er)

**def** updation2():

**try**:

con=connection()

cur=con.cursor()

room\_no=int(input("Enter room no :"))

room\_type=input("Enter room type :")

room\_charges\_per\_day=int(input("Enter room charges per day :"))

room\_status=input("Enter room status :")

patient\_name=input("Enter patient name of occupied room :")

cur.execute("update Room\_Info set room\_type='**%s**',room\_charges\_per\_day=**%d**,room\_status='**%s**',patient\_name='**%s**'where room\_no= **%d**"%(room\_type, room\_charges\_per\_day, room\_status, patient\_name, room\_no))

**print**()

con.commit()

**print**("data updated successfully")

**except** sq.Error **as** er:

**print**(er)

**def** deletion2():

**try**:

con=connection()

cur=con.cursor()

room\_no=int(input("Enter room no from Room\_Info whose record you want to delete **\n**Enter room no :"))

cur.execute("Delete from Room\_Info where room\_no= **%d**"%(room\_no))

**print**()

con.commit()

**print**("Data Deleted successfully")

**except** sq.Error **as** er:

**print**(er)

**def** insertion3():

**try**:

con=connection()

cur=con.cursor()

bill\_no=int(input("Enter bill no :"))

bill\_date=input("Enter bill date :")

name=input("Enter billing name :")

room\_type=input("Enter room type :")

room\_charges=int(input("Enter room charges :"))

pathology\_fees=int(input("Enter pathology fees :"))

doctor\_fees=int(input("Enter doctor fees :"))

total\_amount=int(input("Enter total amount of bill :"))

cur.execute("Insert into bill\_details( bill\_no, bill\_date, name ,room\_type, room\_charges, pathology\_fees, doctor\_fees, total\_amount )values(**%d**,'**%s**','**%s**','**%s**',**%d**,**%d**,**%d**,**%d**)"%( bill\_no, bill\_date, name, room\_type, room\_charges, pathology\_fees, doctor\_fees, total\_amount ))

**print**()

**print**("Data inserted successfully")

con.commit()

**except** sq.Error **as** er:

**print**(er)

**def** display3():

**try**:

con=connection()

cur=con.cursor()

cur.execute("select \* from bill\_details")

**for** i **in** cur.fetchall():

**print**(i)

**except** sq.Error **as** er:

**print**(er)

**def** updation3():

**try**:

con=connection()

cur=con.cursor()

bill\_no=int(input("Enter bill no :"))

bill\_date=input("Enter bill date :")

name=input("Enter name :")

room\_type=input("Enter room type :")

room\_charges=int(input("Enter room charges :"))

pathology\_fees=int(input("Enter pathology fees :"))

doctor\_fees=int(input("Enter doctor fees :"))

total\_amount=int(input("Enter total amount of bill :"))

cur.execute("update bill\_details set bill\_date='**%s**', name='**%s**', room\_type='**%s**', room\_charges=**%d**, pathology\_fees=**%d**, doctor\_fees=**%d**, total\_amount=**%d** where bill\_no= **%d**"%(bill\_date, name, room\_type, room\_charges, pathology\_fees, doctor\_fees, total\_amount,bill\_no))

**print**()

con.commit()

**print**("Data updated successfully")

**except** sq.Error **as** er:

**print**(er)

**def** deletion3():

**try**:

con=connection()

cur=con.cursor()

bill\_no=int(input("Enter bill no from bil\_ details whose record you want to delete **\n**Enter bill no :"))

cur.execute("delete from bill\_details where bill\_no= **%d**"%(bill\_no))

**print**()

con.commit()

**print**("Data Deleted successfully")

**except** sq.Error **as** er:

**print**(er)

**def** menu():

xy=1

**print**("""----------WELCOME TO HOSPITAL MANAGEMENT SYSTEM----------""")

**while** True:

**print**()

**print**()

**print**(""" ---------Main Menu---------

1. Doctor Records

2. Patient Records

3. Room Records

4. Billing Details

5. Exit""")

choice=int(input("Enter your choice from above categories :"))

**if** choice==1:

**print**()

**print**()

**print**("1.Add Record Of Doctors**\n**2.Update Record Of Existing Doctors**\n**3.Delete Record Of Doctors**\n**4.Access All The Doctor Records**\n**5.Exit to Main Menu")

a=input("Enter Your Choice :")

**if** a=='1':

insertion()

**print**()

**print**("Do You Want To Insert More Records?**\n**Type Yes To Insert More Records And No To Stop")

a=input("Enter Your Choice :")

**if** a=='Yes'**or** a=="yes" **or** a=="YES":

insertion()

**else**:

**print**("Okay")

**elif** a=='2':

display()

**print**()

updation()

**print**()

**print**("Do You Want To Update More Records?**\n**Type Yes To Update More Records And No To Stop")

b=input("Enter Your Choice :")

**if** b=='Yes'**or** b=="yes" **or** b=="YES":

updation()

**else**:

**print**("Okay")

**elif** a=='3':

display()

**print**()

deletion()

**print**()

**print**("Do You Want To Delete More Records")

c=input("Enter Your Choice :")

**if** c=='Yes'**or** c=="yes" **or** c=="YES":

deletion()

**else**:

**print**("okay")

**elif** a=='4':

display()

**elif** a=='5':

**print**('Exiting to Main Menu')

**print**('...')

**continue**

**else**:

**print**('Please enter a valid input')

**elif** choice==2:

**print**()

**print**()

**print**("1.Add Record Of patients**\n**2.Update Record Of Existing patients**\n**3.Delete Records Of patients**\n**4.Access All Patient Records**\n**5.Exit to Main Menu")

a=input("Enter Your Choice :")

**if** a=='1':

insertion1()

**print**()

**print**("Do You Want To Insert More Records?**\n**Type Yes To Insert More Records And No To Stop")

d=input("Enter Your Choice :")

**if** d=='Yes'**or** d=="yes" **or** d=="YES":

insertion1()

**else**:

**print**("Okay")

**elif** a=='2':

display1()

**print**()

updation1()

**print**()

**print**("Do You Want To Update More Records?**\n**Type Yes To Update More Records And No To Stop")

e=input("Enter Your Choice :")

**if** e=='Yes'**or** e=="yes" **or** e=="YES":

updation1()

**else**:

**print**("Okay")

**elif** a=='3':

display1()

**print**()

deletion1()

**print**()

**print**("Do You Want To Delete More Records")

f=input("Enter Your Choice :")

**if** f=='Yes'**or** f=="yes" **or** f=="YES":

deletion1()

**else**:

**print**("okay")

**elif** a=='4':

display1()

**elif** a=='5':

**print**('Exiting to Main Menu')

**print**('...')

**continue**

**else**:

**print**('Please enter a valid input')

**elif** choice==3:

**print**()

**print**()

**print**("1.Add Record Of Rooms **\n**2.Update Existing Room Records**\n**3.Delete Room Records**\n**4.Access All Room Records**\n**5.Exit to Main Menu")

a=input("Enter Your Choice :")

**if** a=='1':

insertion2()

**print**()

**print**("Do You Want To Insert More Records?**\n**Type Yes To Insert More Records And No To Stop")

g=input("Enter Your Choice :")

**if** g=='Yes'**or** g=="yes" **or** g=="YES":

insertion2()

**else**:

**print**("Okay")

**elif** a=='2':

display2()

**print**()

updation2()

**print**()

**print**("Do You Want To Update More Records?**\n**Type Yes To Update More Records And No To Stop")

h=input("Enter Your Choice :")

**if** h=='Yes'**or** h=="yes" **or** h=="YES":

updation2()

**else**:

**print**("Okay")

**elif** a=='3':

display2()

**print**()

deletion2()

**print**()

**print**("Do You Want To Delete More Records?")

i=input("Enter Your Choice :")

**if** i=='Yes'**or** i=="yes" **or** i=="YES":

deletion2()

**else**:

**print**("okay")

**elif** a=='4':

display2()

**elif** a=='5':

**print**('Exiting to Main Menu')

**print**('...')

**continue**

**else**:

**print**('Please enter a valid input')

**elif** choice==4:

**try**:

**print**()

**print**()

**print**("1.Add Records Of bill details**\n**2.Update Record Of Existing bill details**\n**3.Delete Record Of bill detais**\n**4.Access All The Records Of bill details**\n**5.Exit to Main Menu")

a=input("Enter Your Choice :")

**if** a=='1':

insertion3()

**print**()

**print**("Do You Want To Insert More Records?**\n**Type Yes To Insert More Records And No To Stop")

j=input("Enter Your Choice :")

**if** j=='Yes'**or** j=="yes" **or** j=="YES":

insertion3()

**else**:

**print**("Okay")

**elif** a=='2':

display3()

**print**()

updation3()

**print**()

**print**("Do You Want To Update More Records?**\n**Type Yes To Update More Records And No To Stop")

k=input("Enter Your Choice :")

**if** k=='Yes'**or** k=="yes" **or** k=="YES":

updation3()

**else**:

**print**("Okay")

**elif** a=='3':

display3()

**print**()

deletion3()

**print**()

**print**("Do You Want To Delete More Records")

l=input("Enter Your Choice :")

**if** l=='Yes'**or** l=="yes" **or** l=="YES":

deletion3()

**else**:

**print**("okay")

**elif** a=='4':

display3()

**elif** a=='5':

**print**('Exiting to Main Menu')

**print**('...')

**continue**

**else**:

**print**('Please enter a valid input')

**except** sq.Error **as** er:

**print**(er)

**elif** choice==5:

**print**("")

**print**("EXITING...")

**print**("----------Thank you for using our HOSPITAL MANAGEMENT SYSTEM ! ---------- ")

**break**

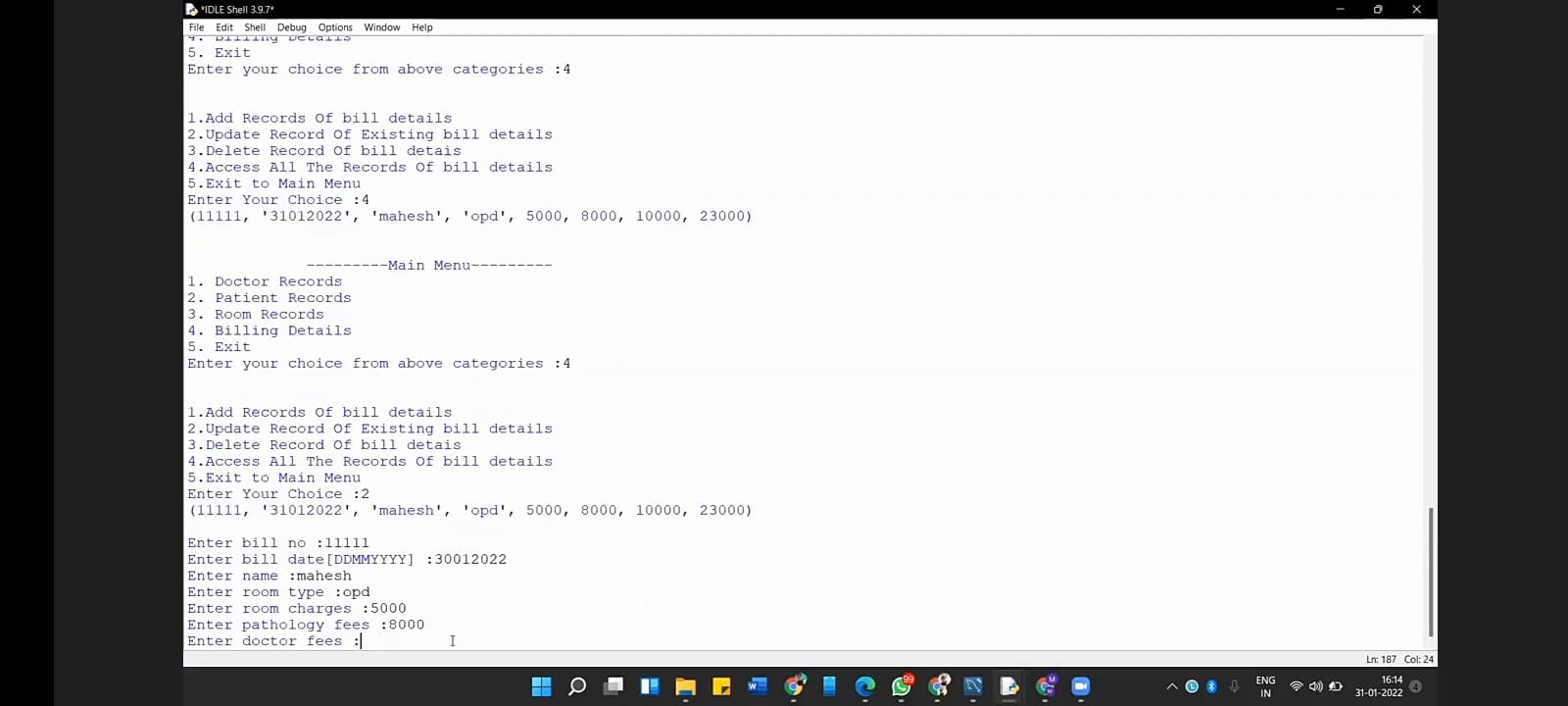
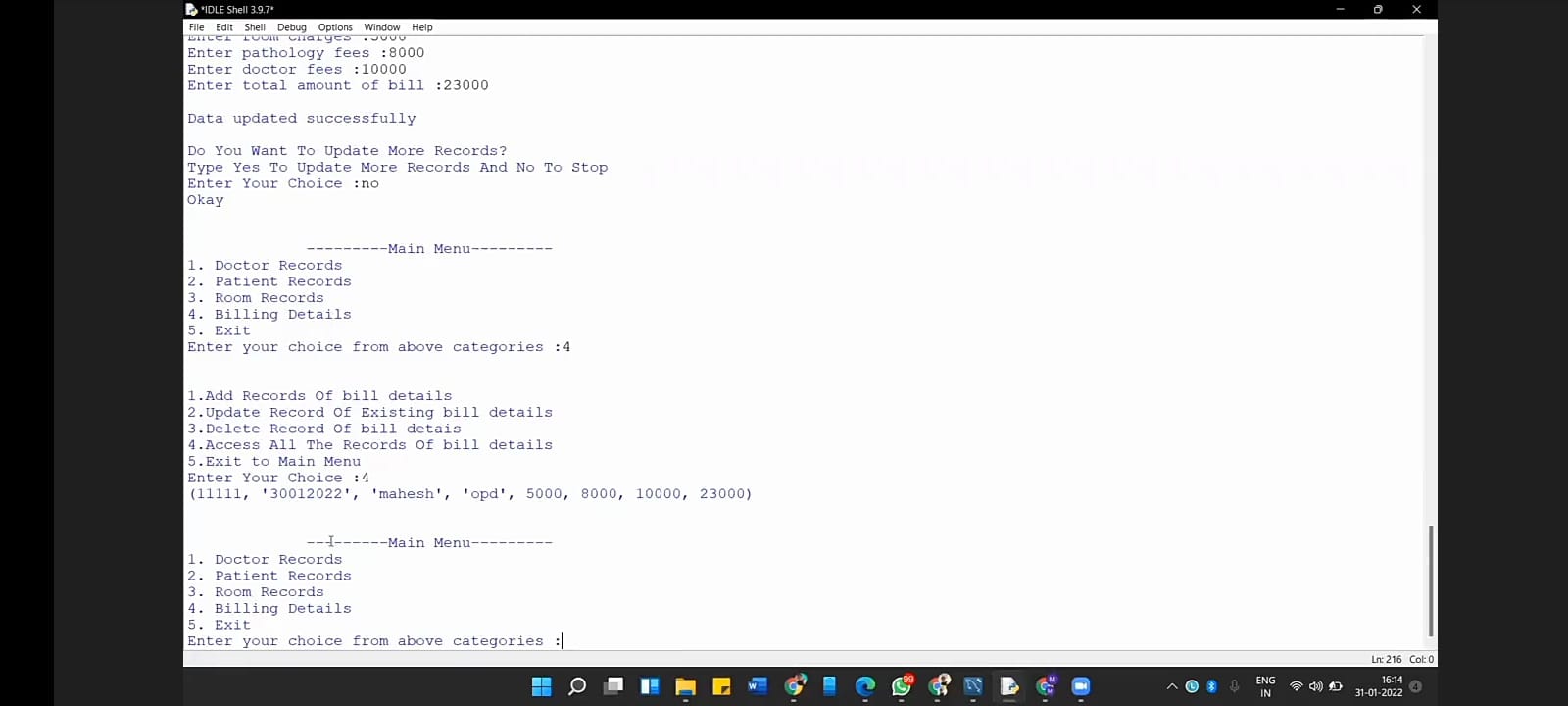
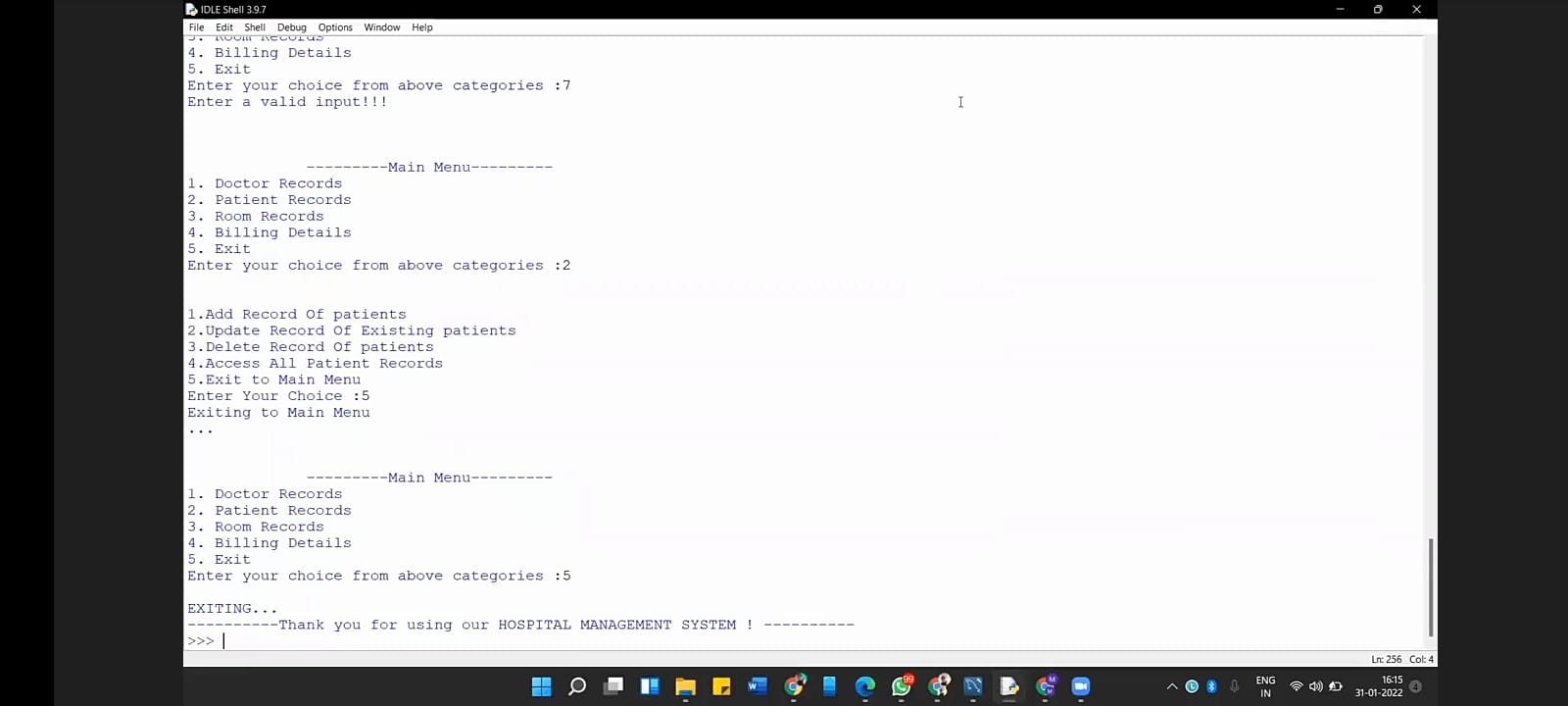
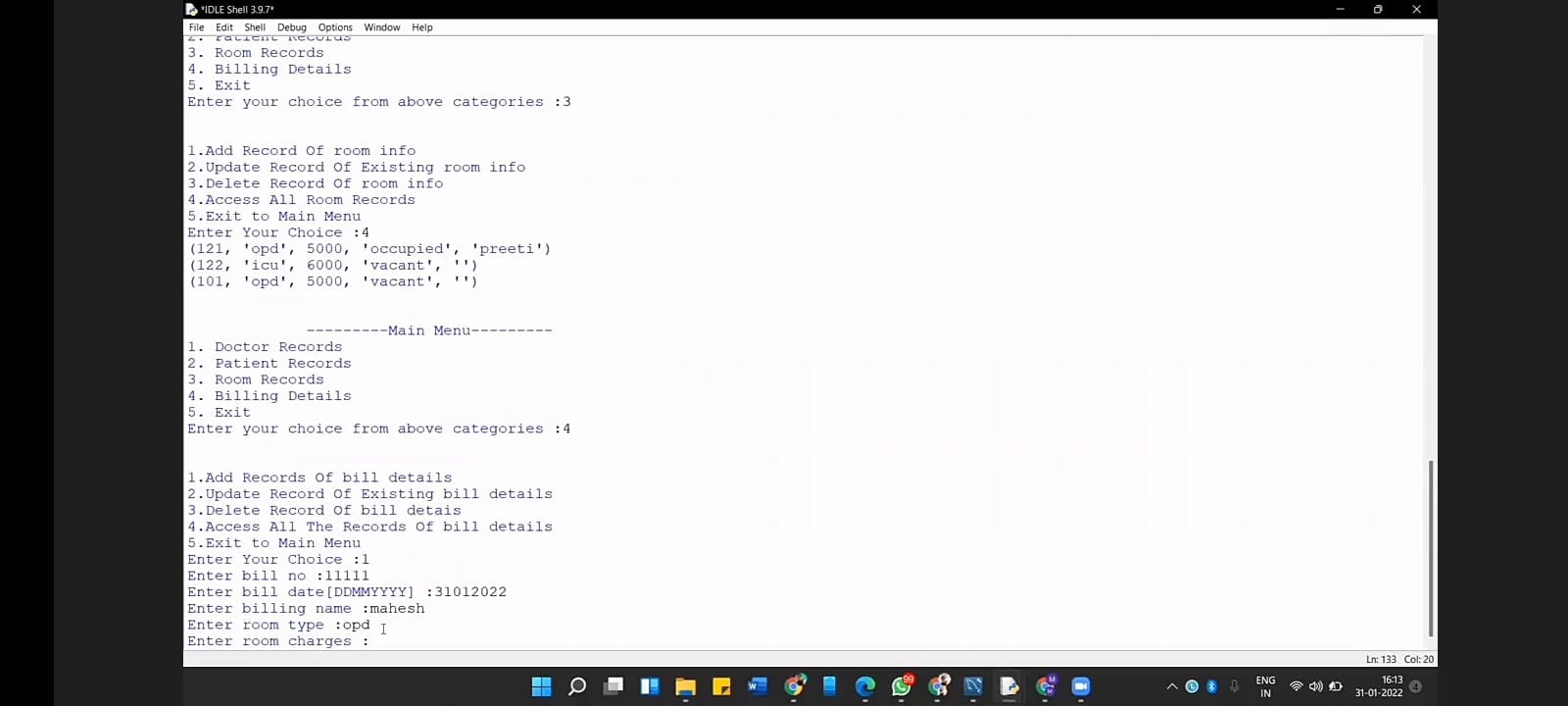
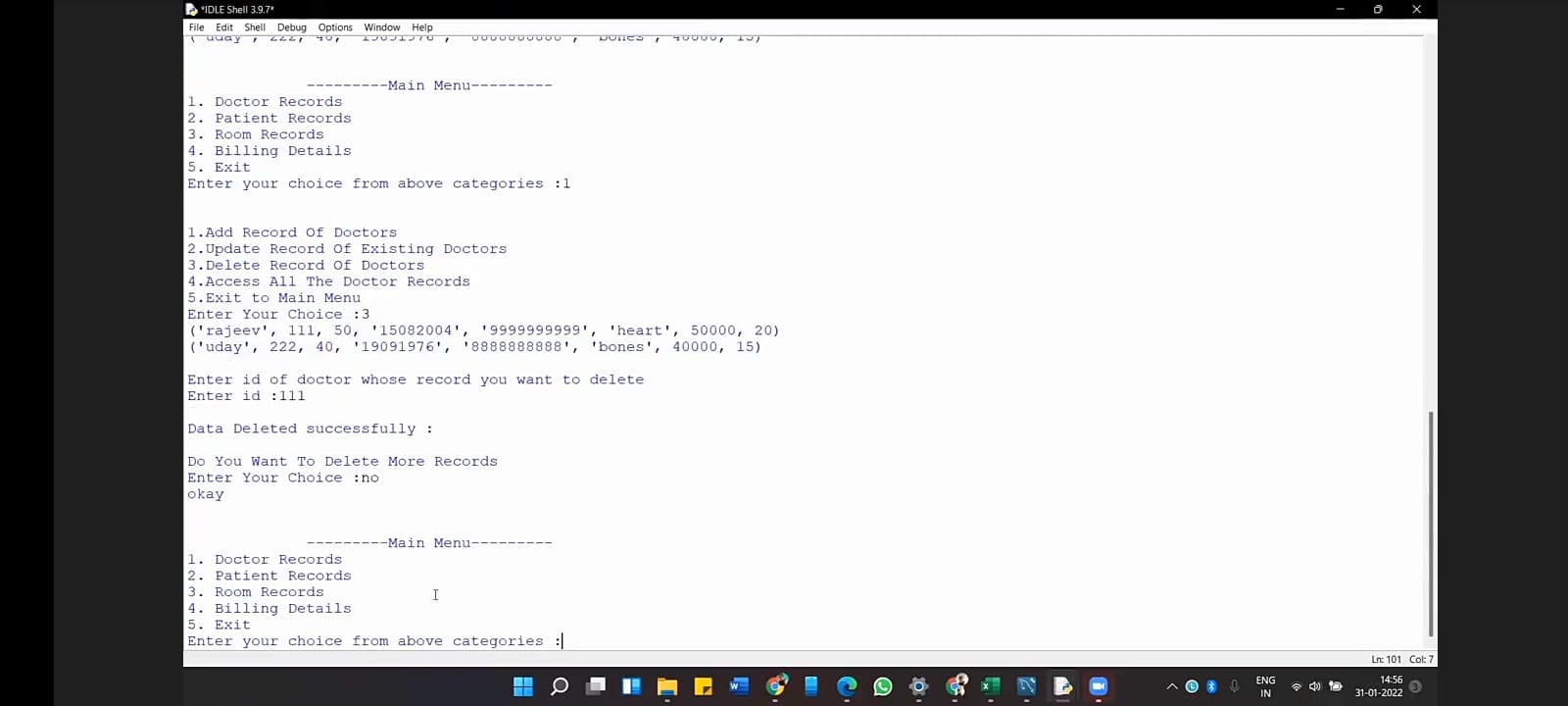
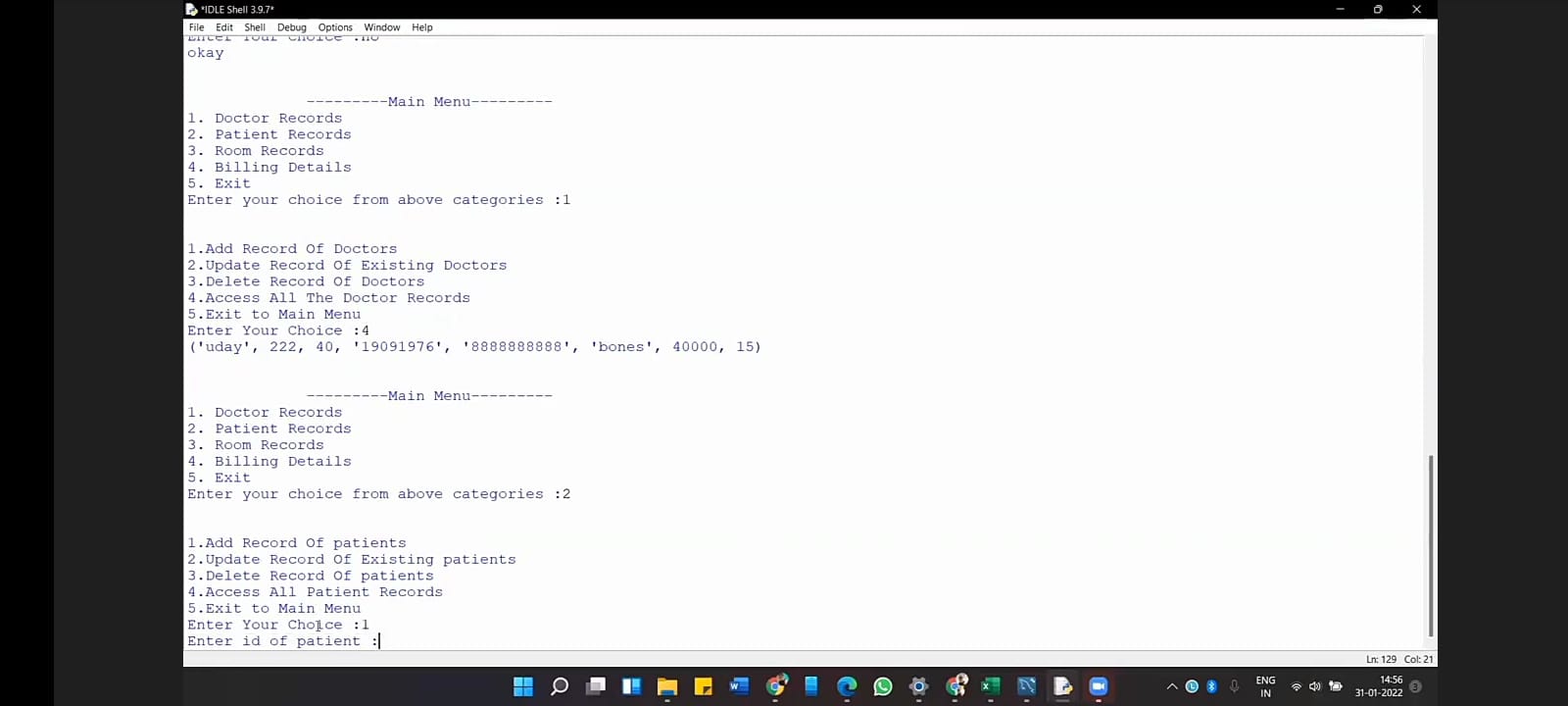
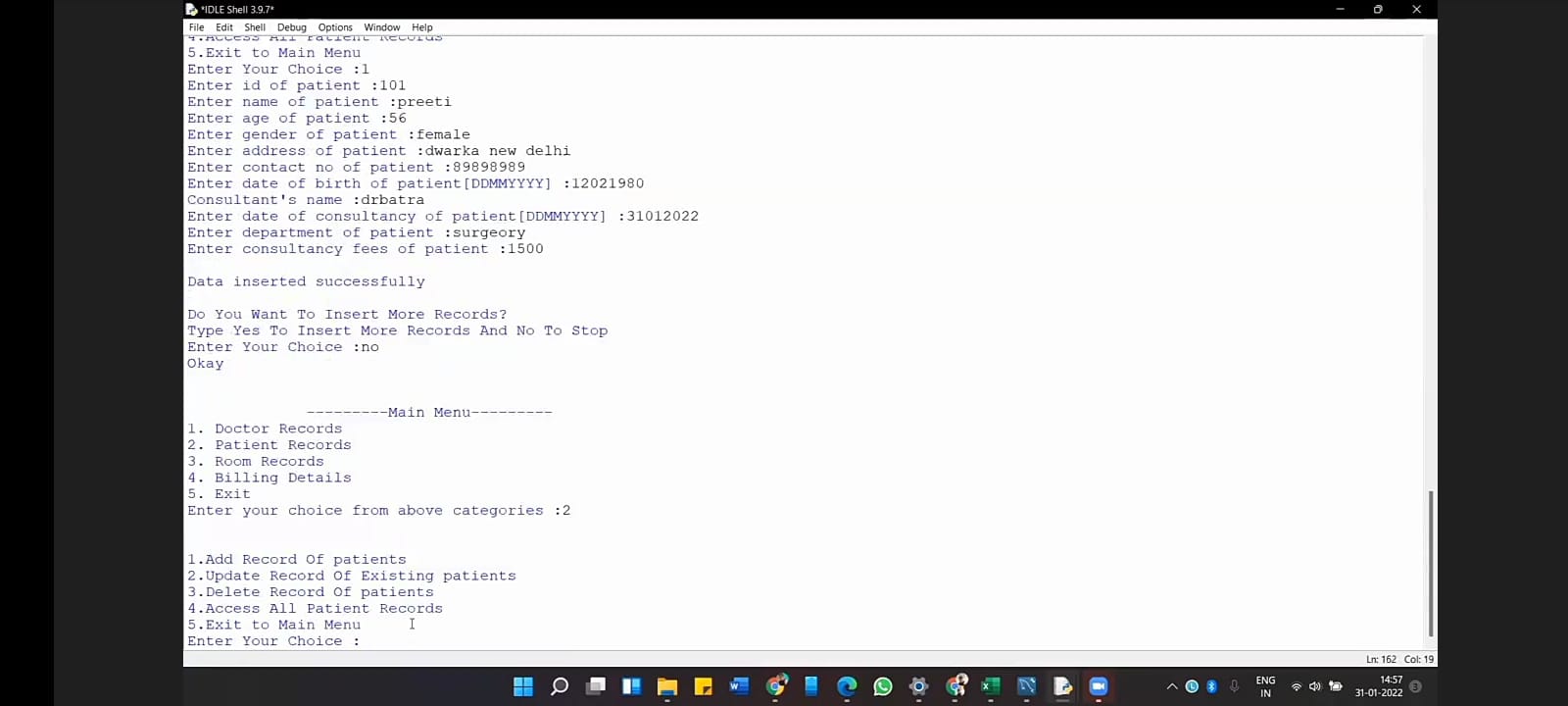
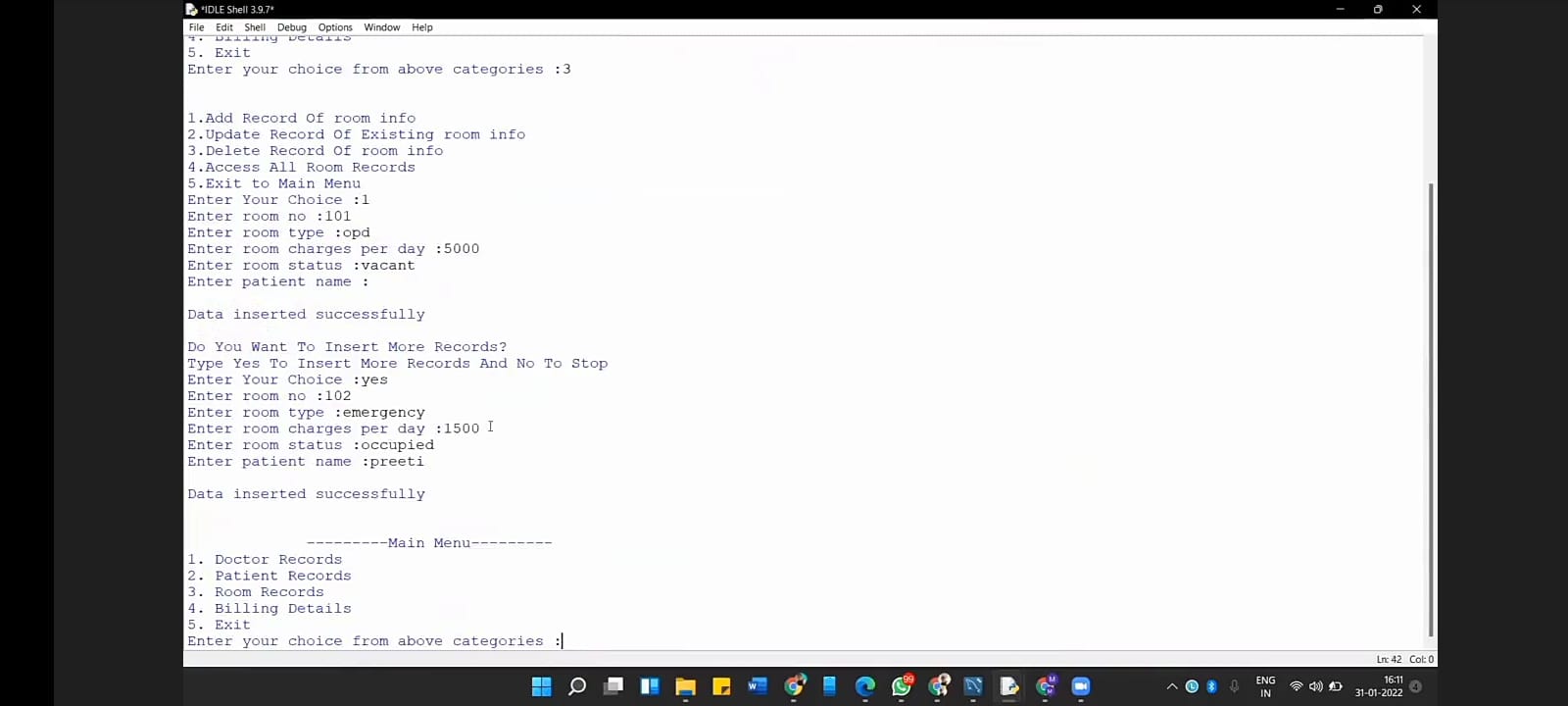
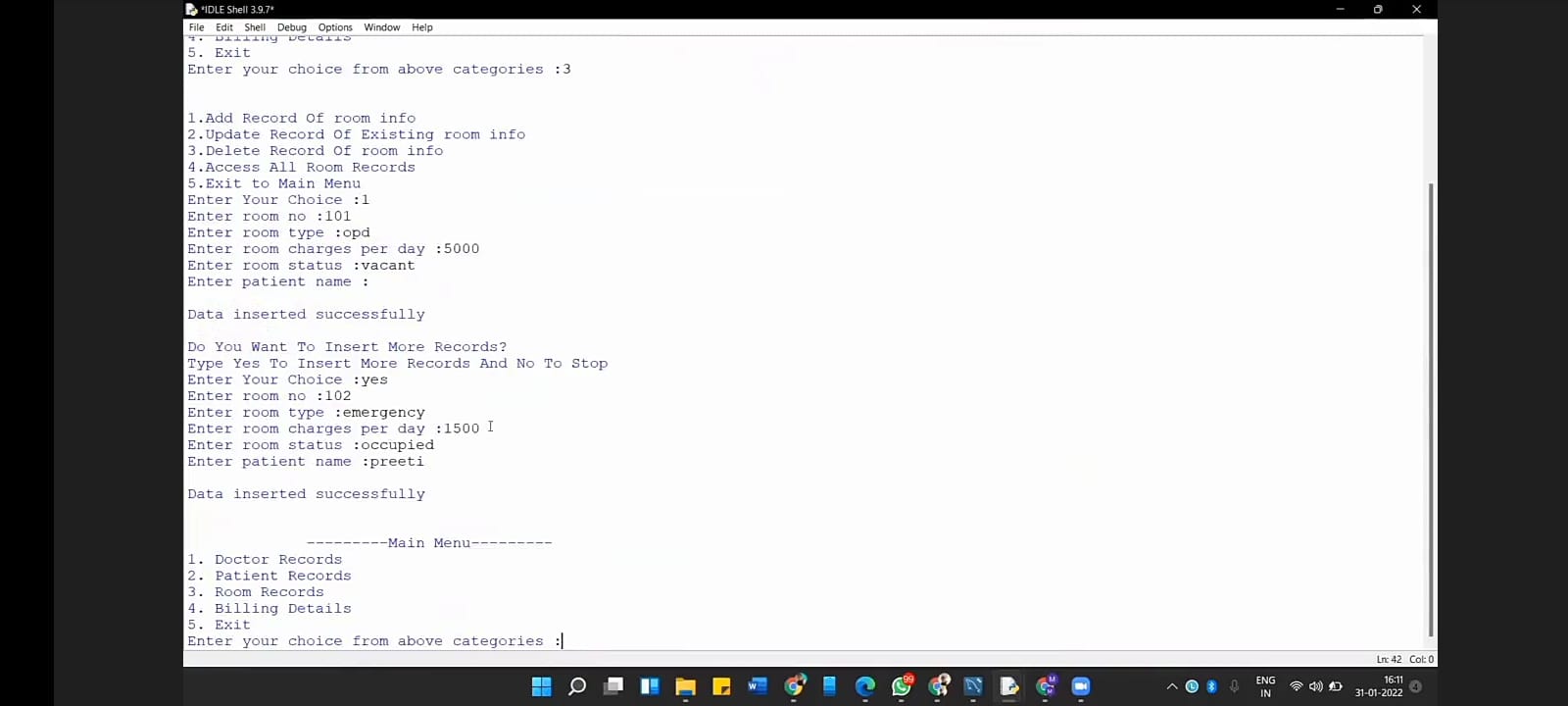
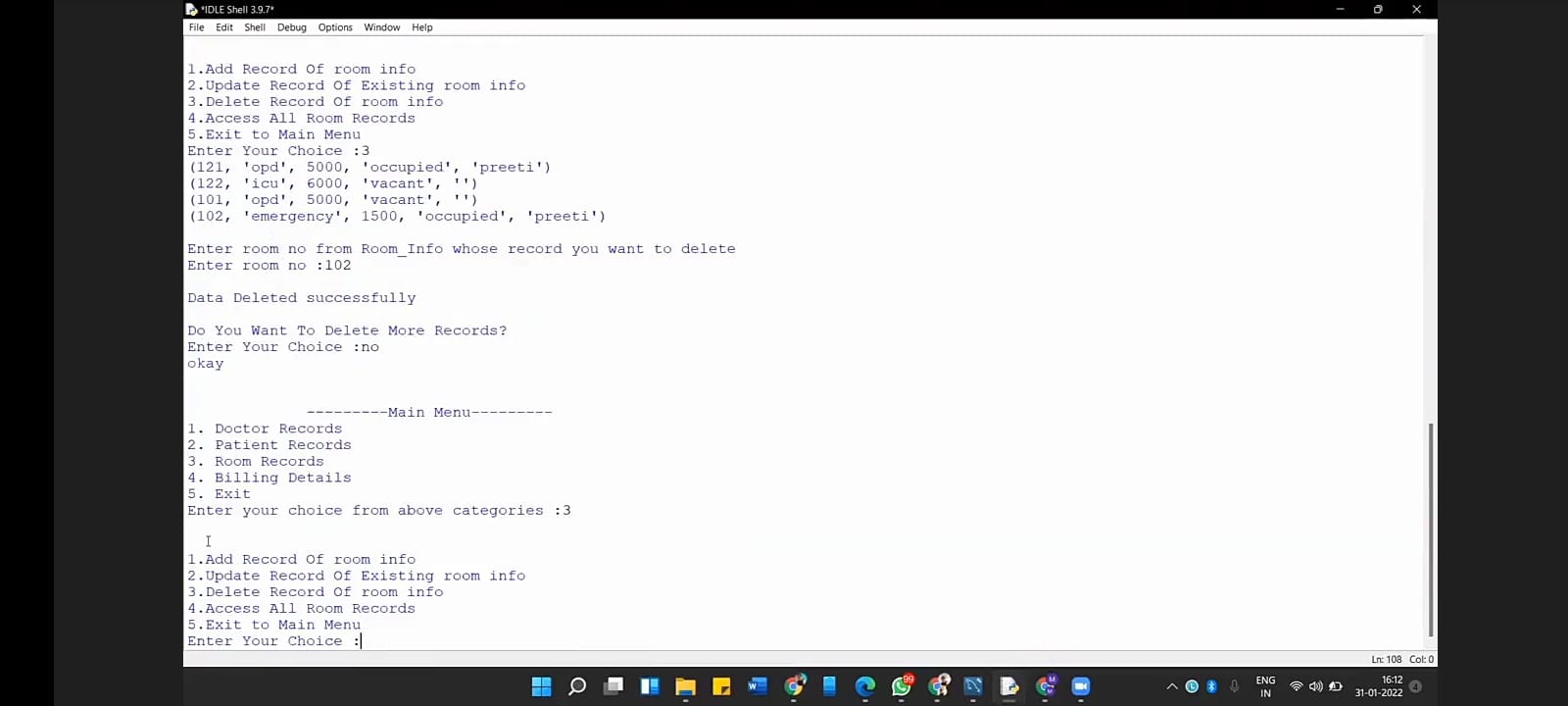
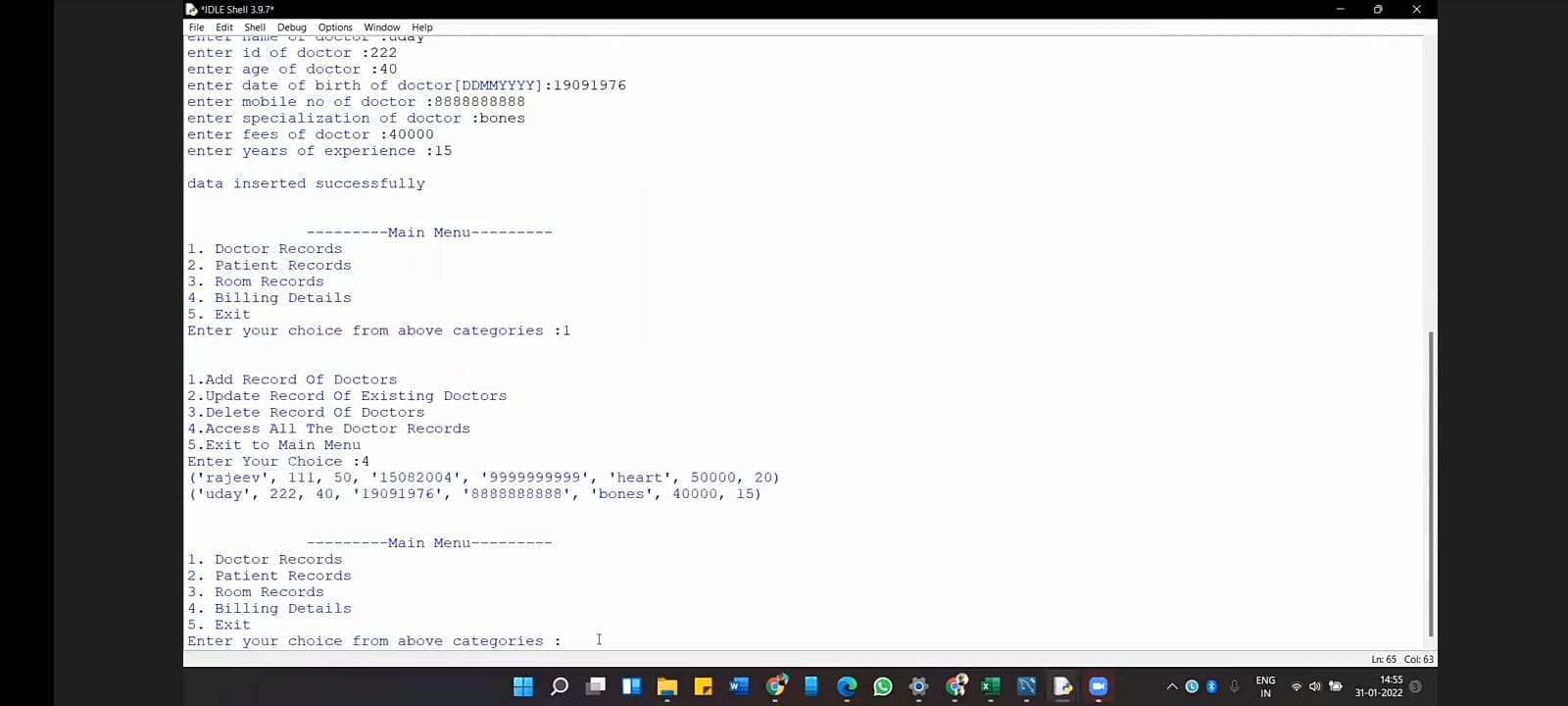
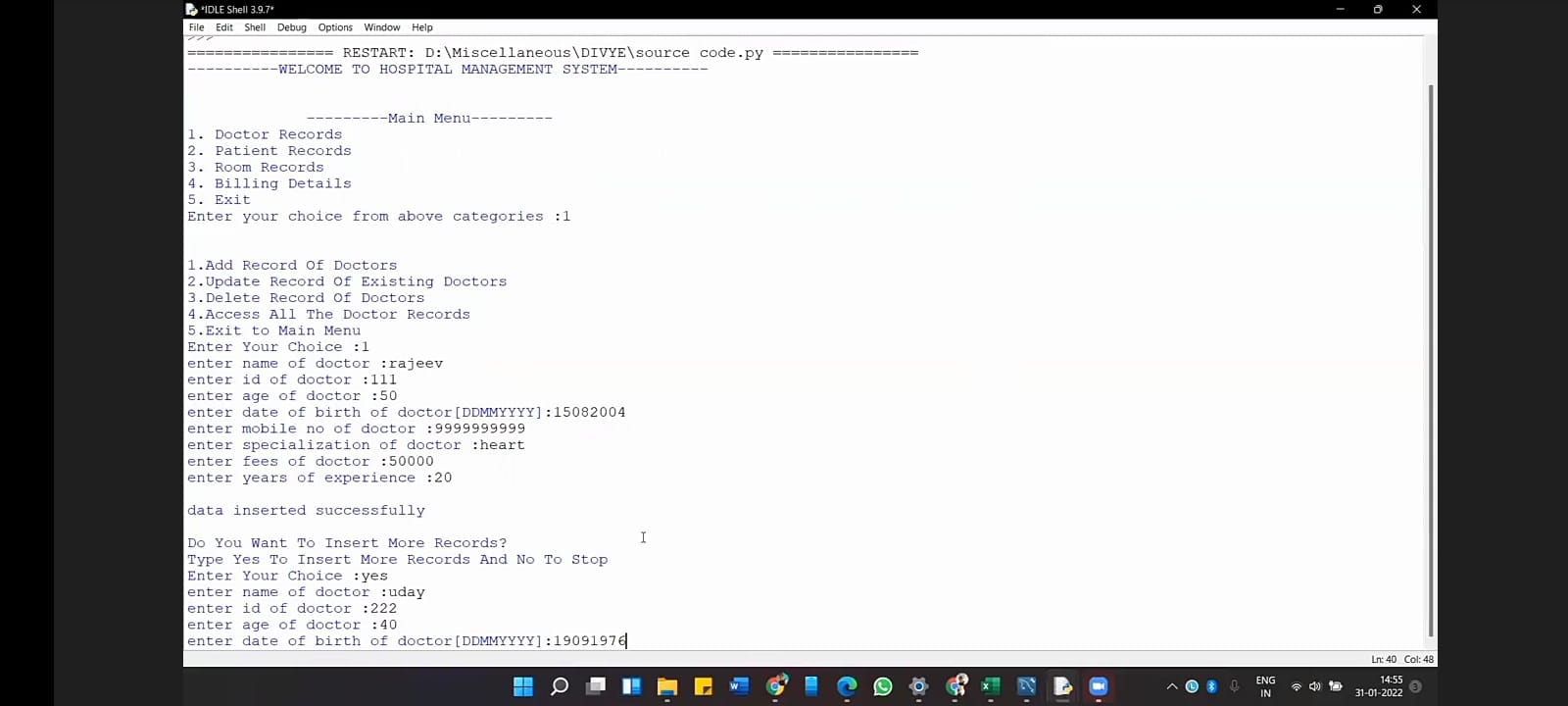
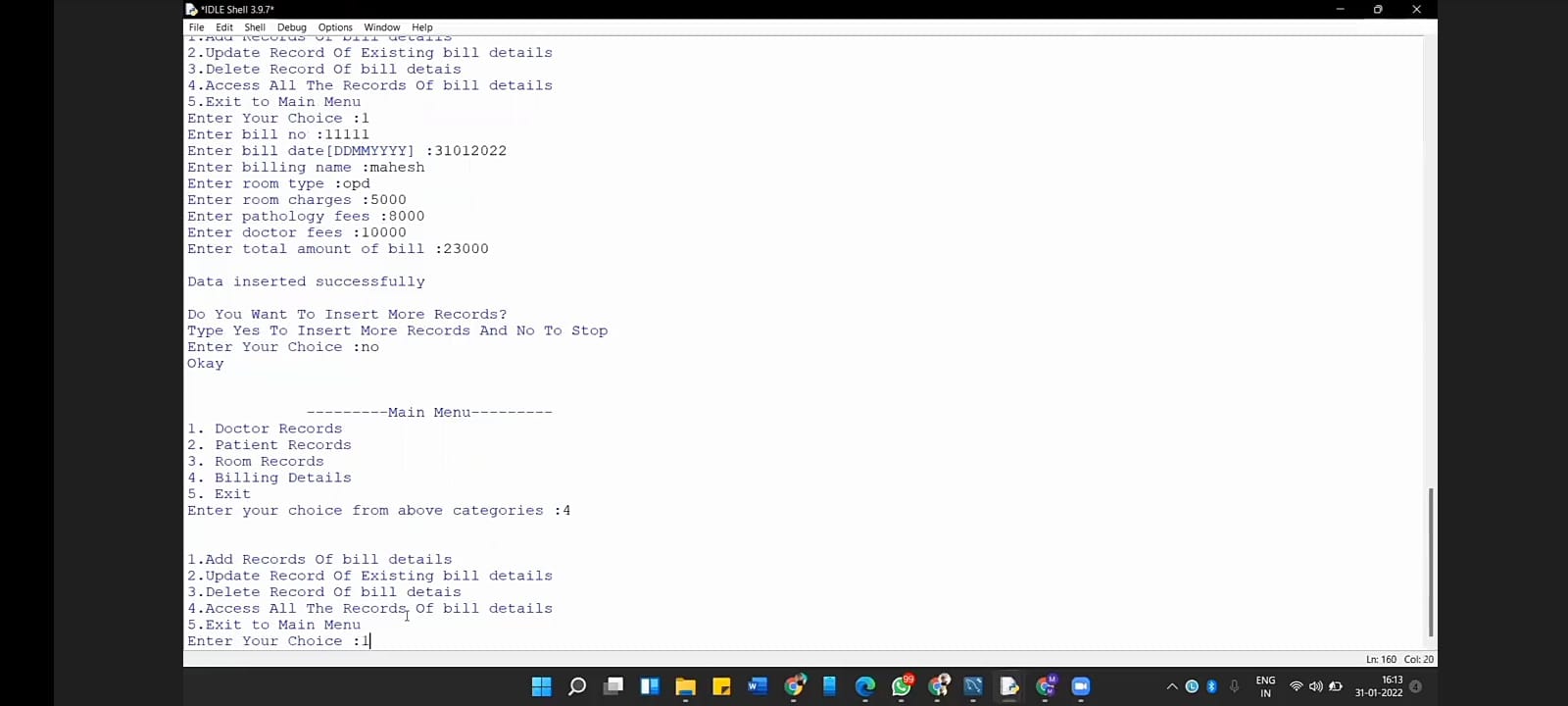
**else**:

**print**("Enter a valid input!!!")

**print**()

menu()

**OUTPUT**

**–**