COMPUTER SCIENCE PROJECT FILE

ANJALI THAKUR

XII 'A'

03

CERTIFICATE

This is to certify that the project entitled **"APARTMENTS RECORD MANAGEMENT SYSTEM"** is a record of bonafide work carried out by **Anjali Thakur, 12th A**. In partial fulfilment of the requirements in COMPUTER SCIENCE prescribed by CBSE for CBSE BOARD 2020-21 in the school Kendriya Vidyalaya, Greater Noida, Uttar Pradesh.

DATE   **PRINCIPAL**

INTERNAL EXAMINER   **EXTERNAL EXAMINER**

DECLARATION

I hereby declare that the project work entitled **"APARTMENTS RECORD MANAGEMENT SYSTEM"** submitted to KENDRIYA VIDYALAYA, GREATER NOIDA, UP for the subject of "COMPUTER SCIENCE" under the guidance of Mrs. Huma Taqvi, PGT(Comp. Sci.) is a record of original work done by me. I further declare that this project record or any part of this has not been submitted elsewhere for any other class.

<u>ACKNOWLEGMENT</u>

I wish to express my sincere thanks to our guide/teacher Mrs. Huma Taqvi, PGT (Comp. Sci.) for her expert help and valuable guidance, comments and suggestions.

I also place on record, my sincere gratitude to one and all who, directly or indirectly, have lent their helping hand in this venture.

<u>OBJECTIVE</u>

Every housing society needs to maintain data bases of all the residents and tenants. The data base of the apartments is required for general purpose like to send notices, bills and etc. Using this program the database of the flats can be created, modified and deleted. The same can be used to search any data whenever required.

It helps the staff to maintain and supervise the records of all residents and tenants and retrieve them whenever they want.

The motive of this program is to dilute the work of office staffs and to reduce the use of paper.

TOPIC – A Record Book of all the flat details of an apartment made with MySQL Connector.

Program Code;

```
import mysql.connector as m
def insert():
    cr=mdb.cursor();
    print("\n*********INSERTING OR ADDING RECORDS*********")
    try:
        d=int(input("\nEnter Flat No. -"))
        qry="select * from Record_Book where Flat_No=%s"%(d,)
        cr.execute(qry)
        q=cr.fetchone()
        if q==None:
            e=input("Enter Owner's name -")
            f=int(input("Enter Owner's contact no. -"))
            g=str(input("Enter Owner's Email ID -"))
            h=input("Enter Self Occupied/Tenant -")
            if h.lower()=="tenant":
                i=input("Enter Tenant's name -")
                j=int(input("Enter Tenant's contact no. -"))
                k=str(input("Enter Tenant's Email ID -"))
                sql="Insert into Record_Book
values(%s,'%s',%s,'%s','%s','%s',%s,'%s')"%(d,e,f,g,h,i,j,k,)
            else:
                sql="Insert into
Record_Book(Flat_No,OName,OContactNo,OEmailID,Status)
values(%s,'%s',%s,'%s','%s')"%(d,e,f,g,h,)
            cr.execute(sql)
            mdb.commit()
            print("Record Inserted succesfully")
        else:
            print("'Sorry that flat detail already exists.
To make any change in the alreay existing data use the update function'")
    except:
        mdb.rollback()
        print("Record cannot be inserted")
    print("\nDISPLAYING THE RECORDS")
    print("'\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n'")
    cr.execute("Select * from Record_Book")
    rec=cr.fetchall()
    for x in rec:
        print(x)
    return
def search():
    cr=mdb.cursor();
```

```python
        print("\n*********SEARCHING RECORDS*********")
        try:
            n=input("\nEnter the flat no to be searched - ")
            qry="select * from Record_Book where Flat_No=%s"%(n,)
            cr.execute(qry)
            rec=cr.fetchall()
            if rec!=[]:
                for x in rec:
                    print("\nDISPLAYING THE SEARCHED RECORD")
                    print("\nFlat No -",x[0])
                    print("Owner's Name -",x[1])
                    print("Owner's Contact No -",x[2])
                    print("Owner's Email ID -",x[3])
                    print("Status -",x[4])
                    print("Tenant's Name -",x[5])
                    print("Tenant's Contact No -",x[6])
                    print("Tenant's Email ID -",x[7])
            else:
                print("Record not found ")
        except:
            mdb.rollback()
            print("Record can't be searched")
        return
    def update():
        cr=mdb.cursor();
        print("\n*********UPDATING RECORD*********")
        cr.execute("Select * from record_book")
        rec=cr.fetchall()
        print("\nDISPLAYING THE CURRENT RECORDS")
        print("'\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n'")
        for x in rec:
            print(x)
        try:
            y="yes"
            while y.lower()=="yes":
                f=int(input("\nEnter the flat no to be updated -"))
                qry="select * from Record_Book where Flat_No=%s"%(f,)
                cr.execute(qry)
                d=cr.fetchone()
                if d!=None:
                    print("'\nChoose one of the following options to update -\n
(1)Owner's Name
(2)Owner's Contact No
(3)Owner's Email ID
(4)Status
(5)Tenant's Name
(6)Tenant's Contact No
(7)Tenant's Email ID\n'")
                    c=int(input("Enter your choice(1-7) -"))
```

```python
                if c==1:
                    n="OName"
                    a=input("\nEnter the Owner's Name to be updated -")
                elif c==2:
                    n="OContactNo"
                    a=int(input("\nEnter the Owner's Contact No to be updated -"))
                elif c==3:
                    n="OEmailID"
                    a=str(input("\nEnter the Owner's Email ID to be updated -"))
                elif c==4:
                    n="Status"
                    a=input("\nEnter the status to be updated -")
                elif c==5:
                    n="TName"
                    a=input("\nEnter the Tenant's Name to be updated -")
                elif c==6:
                    n="TContactNo"
                    a=int(input("\nEnter the Tenant's Contact No to be updated -"))
                elif c==7:
                    n="TEmailID"
                    a=str(input("\nEnter the Tenant's Email ID to be updated -"))
                else:
                    print("Enter a valid option")
                r=(a,f)
                qry="update record_book set "+n+ "=%s where flat_no=%s"
                cr.execute(qry,r)
                print(cr.rowcount,"Records Updated")
                mdb.commit()
            else:
                print("Sorry no such flat exists")
            y=input('''\nIf you wish to update more records enter "yes"
or if you wish to exit enter "no" --- ''')
        else:
            print("Thankyou")
        print("\nDISPLAYING THE UPDATED RECORDS")
        print('''\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n''')
        cr.execute("Select * from record_book")
        rec=cr.fetchall()
        for x in rec:
            print(x)
        print("\nEXITING")
    except:
        print("Record not found or cannnot be updated")
        mdb.rollback()
    return
def delete():
    cr=mdb.cursor();
    print("\n*********DELETING RECORD*********")
    cr.execute("Select * from Record_Book")
```

```python
        rec=cr.fetchall()
        print("\nTable records are -")
        print("'''\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
    Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n'''")
        for x in rec:
            print(x)
        a=input("\nEnter the Flat No. to be deleted::")
        try:
            qry="delete from Record_Book where Flat_No=%s"%(a,)
            cr.execute(qry)
            print(cr.rowcount,"Records Deleted")
            mdb.commit()
            cr.execute("Select * from Record_Book")
            rec=cr.fetchall()
            print("\nUpdated table records are -")
            print("'''\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
    Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n'''")
            for x in rec:
                print(x)
        except:
            print("Record not found or cannnot be deleted")
            mdb.rollback()
        return
def display():
    cr=mdb.cursor();
    print("\n*********DISPLAYING RECORD*********")
    cr.execute("Select * from record_book")
    rec=cr.fetchall()
    print("'''\nFlat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
    Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID\n'''")
    for x in rec:
        print(x)
    return
def main():
    print("\n*********WELCOME*********")
    p="yes"
    while p.lower()=="yes":
        print('''\nChoose any of the below functions to perform -
(1)Insert or add record
(2)Search records
(3)Update records
(4)Delete records
(5)Display records''')
        c=int(input("\nEnter your choice(1-4) - "))
        if c==1:
            insert()
        elif c==2:
            search()
        elif c==3:
            update()
```
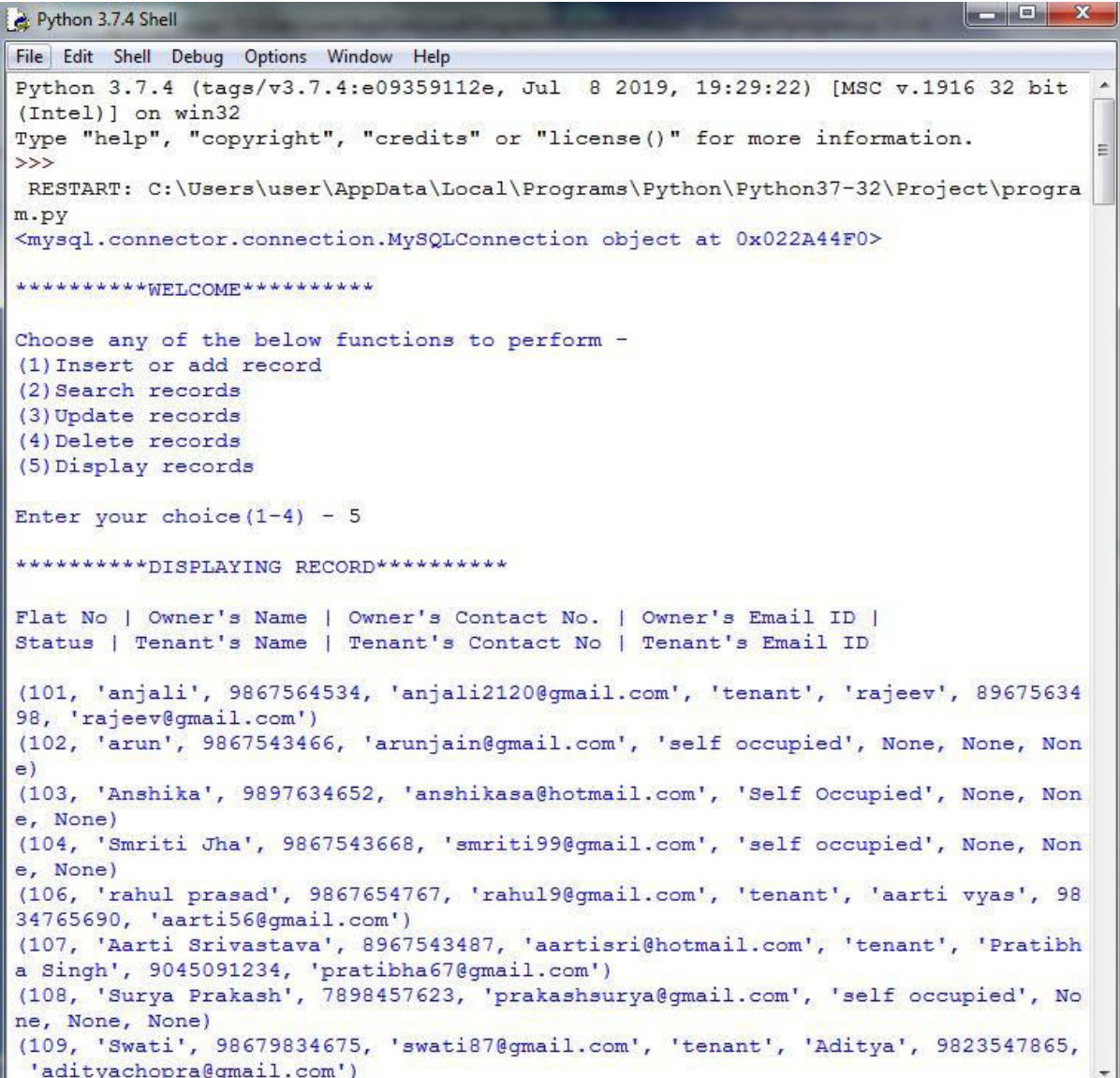
```
        elif c==4:
            delete()
        elif c==5:
            display()
        else:
            print("Please choose a valid option")
        p=input("'\nIf you wish to continue enter "yes"
or if you wish to exit enter "no" --- "')
    else:
        print("\n***********Thank you***********")
mdb=m.connect(host="localhost",user="root", passwd="21102003",
database="anjali")
print(mdb)
main()
```

Output;

```
If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1)Insert or add record
(2)Search records
(3)Update records
(4)Delete records
(5)Display records

Enter your choice(1-4) - 1

**********INSERTING OR ADDING RECORDS**********

Enter Flat No. -105
Enter Owner's name -Akansha Trivedi
Enter Owner's contact no. -8967548976
Enter Owner's Email ID -akansha67@yahoo.com
Enter Self Occupied/Tenant -tenant
Enter Tenant's name -Trish Kapoor
Enter Tenant's contact no. -7898345634
Enter Tenant's Email ID -trishkap@gmail.com
Record Inserted succesfully

DISPLAYING THE RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akansha67@yahoo.com', 'tenant', 'Trish Kap
oor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 98
34765690, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1)Insert or add record
(2)Search records
(3)Update records
(4)Delete records
(5)Display records

Enter your choice(1-4) - 1

**********INSERTING OR ADDING RECORDS**********

Enter Flat No. -102
Sorry that flat detail already exists.
To make any change in the alreay existing data use the update function
```

```
DISPLAYING THE RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akansha67@yahoo.com', 'tenant', 'Trish Kap
oor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 98
34765690, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1)Insert or add record
(2)Search records
(3)Update records
(4)Delete records
(5)Display records

Enter your choice(1-4) - 1

**********INSERTING OR ADDING RECORDS**********

Enter Flat No. -102
Sorry that flat detail already exists.
To make any change in the alreay existing data use the update function

DISPLAYING THE RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akansha67@yahoo.com', 'tenant', 'Trish Kap
oor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 98
34765690, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes
```

```
Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 1

*********INSERTING OR ADDING RECORDS*********

Enter Flat No. -110
Enter Owner's name -Atulya Dev
Enter Owner's contact no. -8967565412
Enter Owner's Email ID -atulya@gmail.com
Enter Self Occupied/Tenant -self occupied
Record Inserted succesfully

DISPLAYING THE RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akansha67@yahoo.com', 'tenant', 'Trish Kap
oor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 98
34765690, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')
(110, 'Atulya Dev', 8967565412, 'atulya@gmail.com', 'self occupied', None, None,
 None)

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 2

*********SEARCHING RECORDS*********

Enter the flat no to be searched - 109

DISPLAYING THE SEARCHED RECORD

Flat No - 109
Owner's Name - Swati
Owner's Contact No - 98679834675
Owner's Email ID - swati87@gmail.com
```

```
Status - tenant
Tenant's Name - Aditya
Tenant's Contact No - 9823547865
Tenant's Email ID - adityachopra@gmail.com

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 2

**********SEARCHING RECORDS**********

Enter the flat no to be searched - 111
Record not found

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 3

**********UPDATING RECORD**********

DISPLAYING THE CURRENT RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akansha67@yahoo.com', 'tenant', 'Trish Kap
oor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 98
34765690, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')
(110, 'Atulya Dev', 8967565412, 'atulya@gmail.com', 'self occupied', None, None,
 None)

Enter the flat no to be updated -106

Choose one of the following options to update -

(1) Owner's Name
(2) Owner's Contact No
(3) Owner's Email ID
```

```
(4) Status
(5) Tenant's Name
(6) Tenant's Contact No
(7) Tenant's Email ID

Enter your choice(1-7) -6

Enter the Tenant's Contact No to be updated -7865125609
1 Records Updated

If you wish to update more records enter "yes"
or if you wish to exit enter "no" --- yes

Enter the flat no to be updated -105

Choose one of the following options to update -

(1) Owner's Name
(2) Owner's Contact No
(3) Owner's Email ID
(4) Status
(5) Tenant's Name
(6) Tenant's Contact No
(7) Tenant's Email ID

Enter your choice(1-7) -3

Enter the Owner's Email ID to be updated -akanshatri98@gmail.com
1 Records Updated

If you wish to update more records enter "yes"
or if you wish to exit enter "no" --- no
Thankyou

DISPLAYING THE UPDATED RECORDS

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akanshatri98@gmail.com', 'tenant', 'Trish
Kapoor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 78
65125609, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')
(110, 'Atulya Dev', 8967565412, 'atulya@gmail.com', 'self occupied', None, None,
 None)

EXITING

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes

Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
```

```
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 4

*********DELETING RECORD*********

Table records are -

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akanshatri98@gmail.com', 'tenant', 'Trish
Kapoor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 78
65125609, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')
(110, 'Atulya Dev', 8967565412, 'atulya@gmail.com', 'self occupied', None, None,
 None)

Enter the Flat No. to be deleted::110
1 Records Deleted

Updated table records are -

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akanshatri98@gmail.com', 'tenant', 'Trish
Kapoor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 78
65125609, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- yes
```

```
Choose any of the below functions to perform -
(1) Insert or add record
(2) Search records
(3) Update records
(4) Delete records
(5) Display records

Enter your choice(1-4) - 5

**********DISPLAYING RECORD**********

Flat No | Owner's Name | Owner's Contact No. | Owner's Email ID |
Status | Tenant's Name | Tenant's Contact No | Tenant's Email ID

(101, 'anjali', 9867564534, 'anjali2120@gmail.com', 'tenant', 'rajeev', 89675634
98, 'rajeev@gmail.com')
(102, 'arun', 9867543466, 'arunjain@gmail.com', 'self occupied', None, None, Non
e)
(103, 'Anshika', 9897634652, 'anshikasa@hotmail.com', 'Self Occupied', None, Non
e, None)
(104, 'Smriti Jha', 9867543668, 'smriti99@gmail.com', 'self occupied', None, Non
e, None)
(105, 'Akansha Trivedi', 8967548976, 'akanshatri98@gmail.com', 'tenant', 'Trish
Kapoor', 7898345634, 'trishkap@gmail.com')
(106, 'rahul prasad', 9867654767, 'rahul9@gmail.com', 'tenant', 'aarti vyas', 78
65125609, 'aarti56@gmail.com')
(107, 'Aarti Srivastava', 8967543487, 'aartisri@hotmail.com', 'tenant', 'Pratibh
a Singh', 9045091234, 'pratibha67@gmail.com')
(108, 'Surya Prakash', 7898457623, 'prakashsurya@gmail.com', 'self occupied', No
ne, None, None)
(109, 'Swati', 98679834675, 'swati87@gmail.com', 'tenant', 'Aditya', 9823547865,
 'adityachopra@gmail.com')

If you wish to continue enter "yes"
or if you wish to exit enter "no" --- no

************Thank you************
>>>
```

THANKYOU