NAME:AANGI KHANDHAR

FYCS

ROLL NO 23

Assignment 2

A) CREATE the following TABLE as client_yourname eg. client_pooja

```
SQL> create table client_aangi(Client_no char(6) primary key,Name varchar(20) not null,Phone int unique,City varchar(15)
 check(City IN ('Mumbai','Pune','Delhi','Nashik')),Pincode number(6), Gender char(1) check(Gender='F' or Gender='M'),Sta
te varchar(20) default 'MAHARASTRA',Age decimal(8,2) check(Age>17));

Table created.

SQL> desc client_aangi
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CLIENT_NO                                 NOT NULL CHAR(6)
 NAME                                      NOT NULL VARCHAR2(20)
 PHONE                                              NUMBER(38)
 CITY                                               VARCHAR2(15)
 PINCODE                                            NUMBER(6)
 GENDER                                             CHAR(1)
 STATE                                              VARCHAR2(20)
 AGE                                                NUMBER(8,2)
```

Enter values:

```
SQL> select * from client_aangi;

CLIENT NAME                      PHONE CITY              PINCODE G STATE                      AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi            9987738881 Mumbai              400107 F MAHARASTRA               19
2      pooja            9920212345 Pune                401206 F MAHARASTRA               18
3      krish            9054223643 Nashik              113406 M MAHARASTRA               19
4      ashu             8203685473 Delhi               201407 M MAHARASTRA               18
5      abdullha         8286498998 Mumbai              400347 M MAHARASTRA               19
6      karishma         9129531678 Pune                110077 F MAHARASTRA               19
7      sally            9902055466 Delhi               411001 M MAHARASTRA               18
8      Surabhi          9976750987 Nashik              410001 F MAHARASTRA               19
9      Panthiv          9029252557 Mumbai              400001 M MAHARASTRA               19
10     Nishika          9996573881 Pune                401068 F MAHARASTRA               18
11     ankita                      Mumbai              411068 F MAHARASTRA               18

11 rows selected.
```

Display the total number of clients whose age is in the range of 18 and 29.

```
SQL> select * from client_aangi
  2  where Age between 18 and 29;

CLIENT NAME                    PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai              400107 F MAHARASTRA              19
2      pooja                9920212345 Pune                401206 F MAHARASTRA              18
3      krish                9054223643 Nashik              113406 M MAHARASTRA              19
4      ashu                 8203685473 Delhi               201407 M MAHARASTRA              18
5      abdullha             8286498998 Mumbai              400347 M MAHARASTRA              19
6      karishma             9129531678 Pune                110077 F MAHARASTRA              19
7      sally                9902055466 Delhi               411001 M MAHARASTRA              18
8      Surabhi              9976750987 Nashik              410001 F MAHARASTRA              19
9      Panthiv              9029252557 Mumbai              400001 M MAHARASTRA              19
10     Nishika              9996573881 Pune                401068 F MAHARASTRA              18
11     ankita                          Mumbai              411068 F MAHARASTRA              18

11 rows selected.
```

3. Display the total number of clients according to cities.

```
SQL> select * from client_aangi order by city;

CLIENT NAME                    PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
4      ashu                 8203685473 Delhi               201407 M MAHARASTRA              18
7      sally                9902055466 Delhi               411001 M MAHARASTRA              18
1      aangi                9987738881 Mumbai              400107 F MAHARASTRA              19
9      Panthiv              9029252557 Mumbai              400001 M MAHARASTRA              19
5      abdullha             8286498998 Mumbai              400347 M MAHARASTRA              19
11     ankita                          Mumbai              411068 F MAHARASTRA              18
3      krish                9054223643 Nashik              113406 M MAHARASTRA              19
8      Surabhi              9976750987 Nashik              410001 F MAHARASTRA              19
10     Nishika              9996573881 Pune                401068 F MAHARASTRA              18
2      pooja                9920212345 Pune                401206 F MAHARASTRA              18
6      karishma             9129531678 Pune                110077 F MAHARASTRA              19

11 rows selected.
```

4. Display the details of the clients who resides in Mumbai.

```
SQL> select * from client_aangi
  2  where City='Mumbai';

CLIENT NAME                    PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai              400107 F MAHARASTRA              19
5      abdullha             8286498998 Mumbai              400347 M MAHARASTRA              19
9      Panthiv              9029252557 Mumbai              400001 M MAHARASTRA              19
11     ankita                          Mumbai              411068 F MAHARASTRA              18
```

5. Display the details of the client whose name ends with A

```
SQL> select * from client_aangi
  2  where Name like'%a';

CLIENT NAME                    PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
2      pooja                9920212345 Pune                401206 F MAHARASTRA              18
5      abdullha             8286498998 Mumbai              400347 M MAHARASTRA              19
6      karishma             9129531678 Pune                110077 F MAHARASTRA              19
10     Nishika              9996573881 Pune                401068 F MAHARASTRA              18
11     ankita                          Mumbai              411068 F MAHARASTRA              18
```

6. Display the unique client names of the client.

```
SQL> select distinct Name from client_aangi;

NAME
--------------------
krish
aangi
pooja
ashu
abdullha
Surabhi
karishma
sally
Nishika
Panthiv
ankita

11 rows selected.
```

7. Display the details of the client with missing phone no

```
SQL> select * from client_aangi
  2  where Phone is null;

CLIENT NAME                  PHONE CITY            PINCODE G STATE                AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
11     ankita                     Mumbai            411068 F MAHARASTRA             18
```

8. Display the details of the client in ascending order of their names

```
SQL> select * from client_aangi
  2  order by Name ASC;

CLIENT NAME                  PHONE CITY            PINCODE G STATE                AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
10     Nishika         9996573881 Pune             401068 F MAHARASTRA             18
9      Panthiv         9029252557 Mumbai           400001 M MAHARASTRA             19
8      Surabhi         9976750987 Nashik           410001 F MAHARASTRA             19
1      aangi           9987738881 Mumbai           400107 F MAHARASTRA             19
5      abdullha        8286498998 Mumbai           400347 M MAHARASTRA             19
11     ankita                     Mumbai           411068 F MAHARASTRA             18
4      ashu            8203685473 Delhi            201407 M MAHARASTRA             18
6      karishma        9129531678 Pune             110077 F MAHARASTRA             19
3      krish           9054223643 Nashik           113406 M MAHARASTRA             19
2      pooja           9920212345 Pune             401206 F MAHARASTRA             18
7      sally           9902055466 Delhi            411001 M MAHARASTRA             18

11 rows selected.
```

9. Display the total number of female clients.

```
SQL> select count(Gender) from client_aangi
  2  where Gender='F';

COUNT(GENDER)
-------------
            6
```

10. Display the details of the client whose age is greater than 25 and are female.

```
SQL> select * from client_aangi where Age>25 and Gender='F';

no rows selected
```

11. Update the age of client to 22 whose age is 18.

```
SQL> update client_aangi
  2  set Age=22 where Age=18;

5 rows updated.

SQL> select * from client_aangi;

CLIENT NAME                   PHONE CITY              PINCODE G STATE                  AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai             400107 F MAHARASTRA             19
2      pooja                9920212345 Pune               401206 F MAHARASTRA             22
3      krish                9054223643 Nashik             113406 M MAHARASTRA             19
4      ashu                 8203685473 Delhi              201407 M MAHARASTRA             22
5      abdullha             8286498998 Mumbai             400347 M MAHARASTRA             19
6      karishma             9129531678 Pune               110077 F MAHARASTRA             19
7      sally                9902055466 Delhi              411001 M MAHARASTRA             22
8      Surabhi              9976750987 Nashik             410001 F MAHARASTRA             19
9      Panthiv              9029252557 Mumbai             400001 M MAHARASTRA             19
10     Nishika              9996573881 Pune               401068 F MAHARASTRA             22
11     ankita                          Mumbai             411068 F MAHARASTRA             22

11 rows selected.
```

12. Update the gender to F who reside in Pune.

```
SQL> update client_aangi
  2  set Gender='F'
  3  where City='Pune';

3 rows updated.

SQL> select * from client_aangi
  2  ;

CLIENT NAME                   PHONE CITY              PINCODE G STATE                  AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai             400107 F MAHARASTRA             19
2      pooja                9920212345 Pune               401206 F MAHARASTRA             22
3      krish                9054223643 Nashik             113406 M MAHARASTRA             19
4      ashu                 8203685473 Delhi              201407 M MAHARASTRA             22
5      abdullha             8286498998 Mumbai             400347 M MAHARASTRA             19
6      karishma             9129531678 Pune               110077 F MAHARASTRA             19
7      sally                9902055466 Delhi              411001 M MAHARASTRA             22
8      Surabhi              9976750987 Nashik             410001 F MAHARASTRA             19
9      Panthiv              9029252557 Mumbai             400001 M MAHARASTRA             19
10     Nishika              9996573881 Pune               401068 F MAHARASTRA             22
11     ankita                          Mumbai             411068 F MAHARASTRA             22

11 rows selected.
```

13. Delete the records of the client who are located in Delhi.

```
SQL> delete from client_aangi
  2  where City='Delhi';

2 rows deleted.

SQL> select * from client_aangi
  2 ;

CLIENT NAME                   PHONE CITY              PINCODE G STATE                    AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai             400107 F MAHARASTRA                 19
2      pooja                9920212345 Pune               401206 F MAHARASTRA                 22
3      krish                9054223643 Nashik             113406 M MAHARASTRA                 19
5      abdullha             8286498998 Mumbai             400347 M MAHARASTRA                 19
6      karishma             9129531678 Pune               110077 F MAHARASTRA                 19
8      Surabhi              9976750987 Nashik             410001 F MAHARASTRA                 19
9      Panthiv              9029252557 Mumbai             400001 M MAHARASTRA                 19
10     Nishika              9996573881 Pune               401068 F MAHARASTRA                 22
11     ankita                          Mumbai             411068 F MAHARASTRA                 22

9 rows selected.
```

14. Delete the records of client having L in their names.

```
SQL> delete from client_aangi
  2  where Name like '%l%';

1 row deleted.

SQL> select * from client_aangi
  2 ;

CLIENT NAME                   PHONE CITY              PINCODE G STATE                    AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
1      aangi                9987738881 Mumbai             400107 F MAHARASTRA                 19
2      pooja                9920212345 Pune               401206 F MAHARASTRA                 22
3      krish                9054223643 Nashik             113406 M MAHARASTRA                 19
6      karishma             9129531678 Pune               110077 F MAHARASTRA                 19
8      Surabhi              9976750987 Nashik             410001 F MAHARASTRA                 19
9      Panthiv              9029252557 Mumbai             400001 M MAHARASTRA                 19
10     Nishika              9996573881 Pune               401068 F MAHARASTRA                 22
11     ankita                          Mumbai             411068 F MAHARASTRA                 22

8 rows selected.
```

15. Delete all the records from the table.

```
SQL> delete from client_aangi
  2  where Gender='M' or Gender='F';

8 rows deleted.

SQL> select * from client_aangi;

no rows selected
```