

Name: surabhi salunke
Roll no: 50
FYCS

ASSIGNMENT 2

A) CREATE the following TABLE as client_yourname eg. client_pooja

Column Name	Datatype	Size	Constraints
Client_No	Char	6	Primary Key
Name	Varchar2	20	Not Null
Phone	Number		Unique
City	Varchar2	15	Must be Mumbai, Pune, Delhi, Nashik
Pincode	Number	6	
Gender	Varchar	1	Can be either 'F' or 'M'
State	Varchar2	20	Default 'MAHARSHTRA'
Age	Number	8,2	Greater than 17

```
SQL> create table client_surabhi(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'),State varchar(20) default 'MAHARASHTRA',Age decimal(8,2) check(Age>17));
```

Table created.

```
SQL> desc client_surabhi
```

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:

1. Display the details of all clients.

```
SQL> select * from client_surabhi;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	18
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	18
4	Panthiv	9820927462	Delhi	110001	M	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	18
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	18
7	ashutosh	9132376244	Pune	411008	M	MAHARASTRA	18
8	tahir	9342376275	Pune	411001	M	MAHARASTRA	19
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19
10	akilesh	9345372375	Delhi	110001	M	MAHARASTRA	19

10 rows selected.

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

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

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	18
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	18
4	Panthiv	9820927462	Delhi	110001	M	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	18
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	18
7	ashutosh	9132376244	Pune	411008	M	MAHARASTRA	18
8	tahir	9342376275	Pune	411001	M	MAHARASTRA	19
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19
10	akilesh	9345372375	Delhi	110001	M	MAHARASTRA	19

10 rows selected.

3. Display the total number of clients according to cities

```
SQL> select * from client_surabhi order by City;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
4	Panthiv	9820927462	Delhi	110001	M	MAHARASTRA	19
10	akilesh	9345372375	Delhi	110001	M	MAHARASTRA	19
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	18
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	18
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	18
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19
7	ashutosh	9132376244	Pune	411008	M	MAHARASTRA	18
8	tahir	9342376275	Pune	411001	M	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	18

10 rows selected.

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

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

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	18
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	18

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

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

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	18
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	18
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	18

6. Display the unique client names of the client

```
SQL> select distinct Name from client_surabhi;
```

```
NAME
-----
akilesh
aangi
pooja
abdulla
ashutosh
karishma
Nillu
Panthiv
surabhi
tahir

10 rows selected.
```

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

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

CLIENT NAME	PHONE CITY	PINCODE G STATE	AGE
11 akilesh	Delhi	110001 M MAHARASTRA	19

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

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

CLIENT NAME	PHONE CITY	PINCODE G STATE	AGE
9 Nillu	9672372375 Pune	411001 F MAHARASTRA	19
4 Panthiv	9820927462 Delhi	110001 M MAHARASTRA	19
1 aangi	9987738881 Mumbai	400066 F MAHARASTRA	19
5 abdulla	9844647467 Mumbai	400001 F MAHARASTRA	18
11 akilesh	Delhi	110001 M MAHARASTRA	19
10 akilesh	9345372375 Delhi	110001 M MAHARASTRA	19
7 ashutosh	9132376244 Pune	411008 M MAHARASTRA	18
3 karishma	9345668771 Nashik	422001 F MAHARASTRA	18
2 pooja	9945668771 Pune	400068 F MAHARASTRA	18
6 surabhi	9136376233 Mumbai	400068 F MAHARASTRA	18
8 tahir	9342376275 Pune	411001 M MAHARASTRA	19

11 rows selected.

9. Display the total number of female clients.

```
SQL> select count( Gender) from client_surabhi
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_surabhi where Age>25 and Gender='F';
```

no rows selected

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

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

5 rows updated.

```
SQL> select * from client_surabhi;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	22
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	22
4	Panthiv	9820927462	Delhi	110001	M	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	22
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	22
7	ashutosh	9132376244	Pune	411008	M	MAHARASTRA	22
8	tahir	9342376275	Pune	411001	M	MAHARASTRA	19
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19
10	akilesh	9345372375	Delhi	110001	M	MAHARASTRA	19
11	akilesh		Delhi	110001	M	MAHARASTRA	19

11 rows selected.

12. Update the gender o F who reside in pune

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

4 rows updated.

```
SQL> select * from client_surabhi;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	22
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	22
4	Panthiv	9820927462	Delhi	110001	M	MAHARASTRA	19
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	22
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	22
7	ashutosh	9132376244	Pune	411008	F	MAHARASTRA	22
8	tahir	9342376275	Pune	411001	F	MAHARASTRA	19
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19
10	akilesh	9345372375	Delhi	110001	M	MAHARASTRA	19
11	akilesh		Delhi	110001	M	MAHARASTRA	19

11 rows selected.

13. Delete the record of the client who are located in delhi

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

3 rows deleted.

```
SQL> select * from client_surabhi;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	22
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	22
5	abdulla	9844647467	Mumbai	400001	F	MAHARASTRA	22
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	22
7	ashutosh	9132376244	Pune	411008	F	MAHARASTRA	22
8	tahir	9342376275	Pune	411001	F	MAHARASTRA	19
9	Nillu	9672372375	Pune	411001	F	MAHARASTRA	19

8 rows selected.

14. Delete the record of client having L in their name.

```
SQL> delete from client_surabhi
2 where name like '%l%';
```

2 rows deleted.

```
SQL> select * from client_surabhi;
```

	CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
1	aangi	9987738881	Mumbai	400066	F	MAHARASTRA	19
2	pooja	9945668771	Pune	400068	F	MAHARASTRA	22
3	karishma	9345668771	Nashik	422001	F	MAHARASTRA	22
6	surabhi	9136376233	Mumbai	400068	F	MAHARASTRA	22
7	ashutosh	9132376244	Pune	411008	F	MAHARASTRA	22
8	tahir	9342376275	Pune	411001	F	MAHARASTRA	19

6 rows selected.

15. Delete all the records from th table.

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

6 rows deleted.

```
SQL> select * from client_surabhi;
```

no rows selected