

Assignment 2 (Class Activity-1)

Name: - Deepakkumar Murariprasad Keshri

Class: - FYIT 20

A) CREATE the following TABLE as client_yourname eg. client_pooja

```
SQL> create table client_Deepak(Client_No char(6) primary key,Name varchar(20) Not Null,phone Number unique,city varchar(15),check(city in('Mumbai','Pune','Delhi','Nashik')),pincode Number(6),Gender varchar(1) check(Gender in('F','M')),State varchar(20) default'MAHARASHTRA',Age Number(8,2) check(Age>17));
```

Table created.

```
SQL> desc client_Deepak;
```

Name	Null?	Type
CLIENT_NO	NOT NULL	CHAR(6)
NAME	NOT NULL	VARCHAR2(20)
PHONE		NUMBER
CITY		VARCHAR2(15)
PINCODE		NUMBER(6)
GENDER		VARCHAR2(1)
STATE		VARCHAR2(20)
AGE		NUMBER(8,2)

```
SQL>
```

B) INSERT 10 MEANINGFUL RECORDS IN ABOVE TABLE.

```
SQL> select * from client_Deepak;
```

CLIENT	NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453	Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
467453	Rohit	9326463841	Pune	424438	M	MAHARASHTRA	26
467633	Juned	9326463843	Pune	424438	M	MAHARASHTRA	27
467634	Vivek	9326463643	Pune	424438	M	MAHARASHTRA	20
463834	Dinho	9326445643	Delhi	424438	M	MAHARASHTRA	19
464364	Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436	Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266	Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536	Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
432678	Mehul	9324356638	Pune	839326	M	MAHARASHTRA	48

10 rows selected.

C) ANSWER FOLLOWING QUERIES

1. Display the details of all the clients

```
SQL> select * from client_Deepak;
```

CLIENT	NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453	Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
467453	Rohit	9326463841	Pune	424438	M	MAHARASHTRA	26
467633	Juned	9326463843	Pune	424438	M	MAHARASHTRA	27
467634	Vivek	9326463643	Pune	424438	M	MAHARASHTRA	20
463834	Dinho	9326445643	Delhi	424438	M	MAHARASHTRA	19
464364	Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436	Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266	Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536	Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
432678	Mehul	9324356638	Pune	839326	M	MAHARASHTRA	48

10 rows selected.

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

```
SQL> select Count(*) from client_Deepak
      2 Where Age between 18 and 29;
```

COUNT(*)
9

```
SQL>
```

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

```
SQL> select city,Count(*) from client_Deepak
      2 group by city;
```

CITY	COUNT(*)
Delhi	1
Mumbai	4
Pune	4
Nashik	1

```
SQL> ■
```

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

```
SQL> select * from client_Deepak
      2 WHERE city='Mumbai';
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453 Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536 Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23

```
SQL> ■
```

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

```
SQL> select * from client_Deepak
      2 WHERE Name LIKE '%%a';
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
464364 Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25

```
SQL> ■
```

6. Display the unique client names of the client.

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

```
NAME
```

```
-----  
Juned  
Anamika  
Rohit  
Neha  
Motilal  
Vivek  
Mehul  
Dinho
```

```
8 rows selected.
```

```
SQL>
```

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

```
SQL> select * from client_Deepak  
2 WHERE Phone IS NULL;
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25

```
SQL>
```

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

```
SQL> select * from client_Deepak  
2 ORDER BY Name ASC;
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
463834 Dinho	9326445643	Delhi	424438	M	MAHARASHTRA	19
467633 Juned	9326463843	Pune	424438	M	MAHARASHTRA	27
432678 Mehul	9324356638	Pune	839326	M	MAHARASHTRA	48
434536 Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
483453 Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
464364 Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
467453 Rohit	9326463841	Pune	424438	M	MAHARASHTRA	26
467634 Vivek	9326463643	Pune	424438	M	MAHARASHTRA	20

```
10 rows selected.
```

```
SQL>
```

9. Display the total number of female clients.

```
SQL> select * from client_Deepak  
2 WHERE Gender='F';
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
464364 Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25

```
SQL>
```

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

```
SQL> select * from client_Deepak
  2  WHERE Phone IS NULL;
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25

```
SQL> select * from client_Deepak
  2  WHERE Age>25 and Gender='F';

no rows selected

SQL> _
```

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

```
SQL> UPDATE client_Deepak
  2  SET Age=22
  3  WHERE Age=18;

0 rows updated.

SQL> select * from client_Deepak;
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453 Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
467453 Rohit	9326463841	Pune	424438	M	MAHARASHTRA	26
467633 Juned	9326463843	Pune	424438	M	MAHARASHTRA	27
467634 Vivek	9326463643	Pune	424438	M	MAHARASHTRA	20
463834 Dinho	9326445643	Delhi	424438	M	MAHARASHTRA	19
464364 Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536 Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
432678 Mehul	9324356638	Pune	839326	M	MAHARASHTRA	48

```
10 rows selected.

SQL> _
```

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

```
SQL> UPDATE client_Deepak
  2  SET Gender='F'
  3  WHERE city='Pune';

4 rows updated.

SQL> select * from client_Deepak;
```

CLIENT NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453 Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
467453 Rohit	9326463841	Pune	424438	F	MAHARASHTRA	26
467633 Juned	9326463843	Pune	424438	F	MAHARASHTRA	27
467634 Vivek	9326463643	Pune	424438	F	MAHARASHTRA	20
463834 Dinho	9326445643	Delhi	424438	M	MAHARASHTRA	19
464364 Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436 Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266 Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536 Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
432678 Mehul	9324356638	Pune	839326	F	MAHARASHTRA	48

```
10 rows selected.

SQL>
```

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

```
SQL> DELETE FROM client_Deepak
2 WHERE city='Delhi';

1 row deleted.

SQL> select * from client_Deepak;
```

CLIENT	NAME	PHONE	CITY	PINCODE	G	STATE	AGE
483453	Motilal	9323463841	Mumbai	424348	M	MAHARASHTRA	25
467453	Rohit	9326463841	Pune	424438	F	MAHARASHTRA	26
467633	Juned	9326463843	Pune	424438	F	MAHARASHTRA	27
467634	Vivek	9326463643	Pune	424438	F	MAHARASHTRA	20
464364	Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436	Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266	Anamika		Mumbai	896438	F	MAHARASHTRA	25
434536	Mehul	9322346638	Mumbai	834438	M	MAHARASHTRA	23
432678	Mehul	9324356638	Pune	839326	F	MAHARASHTRA	48

```
9 rows selected.

SQL>
```

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

```
SQL> DELETE FROM client_Deepak
2 WHERE Name LIKE '%l%';

3 rows deleted.

SQL> select * from client_Deepak;
```

CLIENT	NAME	PHONE	CITY	PINCODE	G	STATE	AGE
467453	Rohit	9326463841	Pune	424438	F	MAHARASHTRA	26
467633	Juned	9326463843	Pune	424438	F	MAHARASHTRA	27
467634	Vivek	9326463643	Pune	424438	F	MAHARASHTRA	20
464364	Neha	9326310638	Nashik	834438	F	MAHARASHTRA	23
464436	Anamika	932432638	Mumbai	834438	F	MAHARASHTRA	25
443266	Anamika		Mumbai	896438	F	MAHARASHTRA	25

```
6 rows selected.
```

15. Delete all the records from the table.

```
SQL> DELETE client_Deepak;

6 rows deleted.

SQL> select * from client_Deepak;

no rows selected

SQL>
```