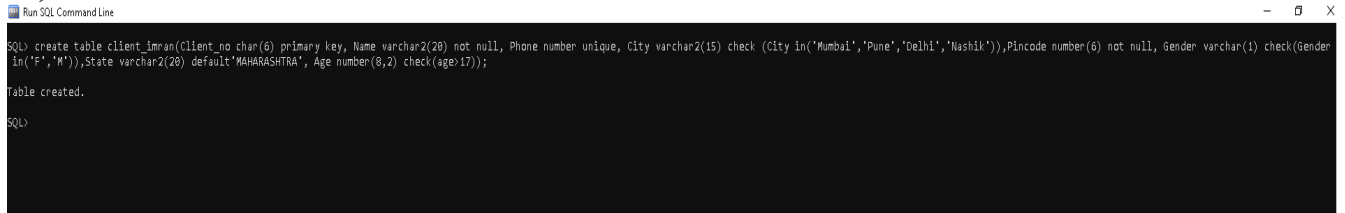# IMRANRIZWAN SHAIKH 109 FYIT ACTIVITY DBMS

ACTIVITY

A)

```
SQL> create table client_imran(Client_no char(6) primary key, Name varchar2(20) not null, Phone number unique, City varchar2(15) check (City in('Mumbai','Pune','Delhi','Nashik')),Pincode number(6) not null, Gender varchar(1) check(Gender
 in('F','M')),State varchar2(20) default'MAHARASHTRA', Age number(8,2) check(age>17));

Table created.

SQL>
```

B)

IMRANRIZWAN SHAIKH 109 FYIT ACTIVITY DBMS

Run SQL Command Line

```
SQL> insert into client_imran values(101, 'Imran', 1234567632, 'Mumbai', 400069, 'M', default, 18);

1 row created.

SQL> insert into client_imran values(103, 'Rizwan',1239874560, 'Nashik', 400456, 'M', default, 26);

1 row created.

SQL> insert into client_imran values(102, 'Abdullah',5426154287, 'Mumbai', 400069, 'M', default, 20);

1 row created.

SQL> insert into client_imran values(104, 'Pooja',145237410, 'Nashik', 400456, 'F', default, 19);

1 row created.

SQL> insert into client_imran values(105, 'Priti',7854123654, 'Delhi', 400412, 'F', default, 21);

1 row created.

SQL> insert into client_imran values(106, 'Gunja',5412378960, 'Pune', 400414, 'F', default, 29);

1 row created.

SQL> insert into client_imran values(107, 'Priya',null, 'Mumbai', 400069, 'F', default, 28);

1 row created.

SQL> insert into client_imran values(108, 'Saima',null, 'Pune', 400069, 'F', default, 22);

1 row created.

SQL> insert into client_imran values(109, 'Ayan',1245673981, 'Delhi', 400459, 'M', default, 24);

1 row created.

SQL> insert into client_imran values(110, 'Harsh',1245673456, 'Pune', 400459, 'M', default, 27);

1 row created.

SQL> commit;

Commit complete.

SQL> set pagesize 10000
SQL> set linesize 10000
SQL> select * from client_imran;

CLIENT NAME                       PHONE CITY             PINCODE G STATE                       AGE
------ -------------------- ---------- -------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai             400069 M MAHARASHTRA                  18
103    Rizwan               1239874560 Nashik             400456 M MAHARASHTRA                  26
102    Abdullah             5426154287 Mumbai             400069 M MAHARASHTRA                  20
104    Pooja                 145237410 Nashik             400456 F MAHARASHTRA                  19
105    Priti                7854123654 Delhi              400412 F MAHARASHTRA                  21
106    Gunja                5412378960 Pune               400414 F MAHARASHTRA                  29
107    Priya                           Mumbai             400069 F MAHARASHTRA                  28
108    Saima                           Pune               400069 F MAHARASHTRA                  22
109    Ayan                 1245673981 Delhi              400459 M MAHARASHTRA                  24
110    Harsh                1245673456 Pune               400459 M MAHARASHTRA                  27

10 rows selected.
```

C)
1)

Run SQL Command Line

```
SQL> select * from client_imran;

CLIENT NAME                    PHONE CITY            PINCODE G STATE                      AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai          400069 M MAHARASHTRA              18
103    Rizwan               1239874560 Nashik          400456 M MAHARASHTRA              26
102    Abdullah             5426154287 Mumbai          400069 M MAHARASHTRA              20
104    Pooja                 145237410 Nashik          400456 F MAHARASHTRA              19
105    Priti                7854123654 Delhi           400412 F MAHARASHTRA              21
106    Gunja                5412378960 Pune            400414 F MAHARASHTRA              29
107    Priya                           Mumbai          400069 F MAHARASHTRA              28
108    Saima                           Pune            400069 F MAHARASHTRA              22
109    Ayan                 1245673981 Delhi           400459 M MAHARASHTRA              24
110    Harsh                1245673456 Pune            400459 M MAHARASHTRA              27

10 rows selected.

SQL>
```

2)

Select Run SQL Command Line

```
SQL> select count(*) from client_imran
  2  where age between 18 and 29;

  COUNT(*)
----------
        10

SQL>
```

3)

Run SQL Command Line

```
SQL> select City, count(*) from client_imran
  2  group by City;

CITY            COUNT(*)
--------------- ----------
Delhi                  2
Mumbai                 3
Nashik                 2
Pune                   3

SQL>
```

4)

IMRANRIZWAN SHAIKH 109 FYIT ACTIVITY DBMS

Run SQL Command Line

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

CLIENT NAME                     PHONE CITY            PINCODE G STATE                       AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai              400069 M MAHARASHTRA               18
102    Abdullah             5426154287 Mumbai              400069 M MAHARASHTRA               20
107    Priya                           Mumbai              400069 F MAHARASHTRA               28

SQL>
```

5)

Run SQL Command Line

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

CLIENT NAME                     PHONE CITY            PINCODE G STATE                       AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
104    Pooja                 145237410 Nashik             400456 F MAHARASHTRA               19
106    Gunja                5412378960 Pune               400414 F MAHARASHTRA               29
107    Priya                           Mumbai             400069 F MAHARASHTRA               28
108    Saima                           Pune               400069 F MAHARASHTRA               22

SQL>
```

6)

Run SQL Command Line

```
SQL> select unique Name from client_imran;

NAME
--------------------
Imran
Abdullah
Gunja
Saima
Harsh
Priya
Priti
Ayan
Rizwan
Pooja

10 rows selected.

SQL>
```

7)

Run SQL Command Line

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

CLIENT NAME                     PHONE CITY            PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
107    Priya                      Mumbai             400069 F MAHARASHTRA                28
108    Saima                      Pune               400069 F MAHARASHTRA                22

SQL>
```

8)

Select Run SQL Command Line

```
SQL> select * from client_imran
  2  order by Name asc;

CLIENT NAME                 PHONE CITY           PINCODE G STATE                    AGE
------ ------------------- ---------- ---------------- ---------- - ------------------- ----------
102    Abdullah            5426154287 Mumbai          400069 M MAHARASHTRA            20
109    Ayan                1245673981 Delhi           400459 M MAHARASHTRA            24
106    Gunja               5412378960 Pune            400414 F MAHARASHTRA            29
110    Harsh               1245673456 Pune            400459 M MAHARASHTRA            27
101    Imran               1234567632 Mumbai          400069 M MAHARASHTRA            18
104    Pooja                145237410 Nashik          400456 F MAHARASHTRA            19
105    Priti               7854123654 Delhi           400412 F MAHARASHTRA            21
107    Priya                          Mumbai          400069 F MAHARASHTRA            28
103    Rizwan              1239874560 Nashik          400456 M MAHARASHTRA            26
108    Saima                          Pune            400069 F MAHARASHTRA            22

10 rows selected.
```

9)

Run SQL Command Line

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

  COUNT(*)
----------
         5

SQL>
```

10)

Run SQL Command Line

```
SQL> select * from client_imran
  2  where age>25 and Gender='F';

CLIENT NAME                 PHONE CITY           PINCODE G STATE                    AGE
------ ------------------- ---------- ---------------- ---------- - ------------------- ----------
106    Gunja               5412378960 Pune            400414 F MAHARASHTRA            29
107    Priya                          Mumbai          400069 F MAHARASHTRA            28

SQL>
```

IMRANRIZWAN SHAIKH 109 FYIT ACTIVITY DBMS

11)

Run SQL Command Line

```
SQL> update client_imran
  2  set age=22
  3  where age=18;

1 row updated.

SQL> select * from Client_imran;

CLIENT NAME                      PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai              400069 M MAHARASHTRA               22
103    Rizwan               1239874560 Nashik              400456 M MAHARASHTRA               26
102    Abdullah             5426154287 Mumbai              400069 M MAHARASHTRA               20
104    Pooja                 145237410 Nashik              400456 F MAHARASHTRA               19
105    Priti                7854123654 Delhi               400412 F MAHARASHTRA               21
106    Gunja                5412378960 Pune                400414 F MAHARASHTRA               29
107    Priya                           Mumbai              400069 F MAHARASHTRA               28
108    Saima                           Pune                400069 F MAHARASHTRA               22
109    Ayan                 1245673981 Delhi               400459 M MAHARASHTRA               24
110    Harsh                1245673456 Pune                400459 M MAHARASHTRA               27

10 rows selected.
```

12)

Run SQL Command Line

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

3 rows updated.

SQL> select * from Client_imran;

CLIENT NAME                      PHONE CITY              PINCODE G STATE                     AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai              400069 M MAHARASHTRA               22
103    Rizwan               1239874560 Nashik              400456 M MAHARASHTRA               26
102    Abdullah             5426154287 Mumbai              400069 M MAHARASHTRA               20
104    Pooja                 145237410 Nashik              400456 F MAHARASHTRA               19
105    Priti                7854123654 Delhi               400412 F MAHARASHTRA               21
106    Gunja                5412378960 Pune                400414 F MAHARASHTRA               29
107    Priya                           Mumbai              400069 F MAHARASHTRA               28
108    Saima                           Pune                400069 F MAHARASHTRA               22
109    Ayan                 1245673981 Delhi               400459 M MAHARASHTRA               24
110    Harsh                1245673456 Pune                400459 F MAHARASHTRA               27

10 rows selected.
```

13)

Select Run SQL Command Line

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

2 rows deleted.

SQL> select * from Client_imran;

CLIENT NAME                    PHONE CITY             PINCODE G STATE                   AGE
------ -------------------- ---------- ---------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai             400069 M MAHARASHTRA              22
103    Rizwan               1239874560 Nashik             400456 M MAHARASHTRA              26
102    Abdullah             5426154287 Mumbai             400069 M MAHARASHTRA              20
104    Pooja                 145237410 Nashik             400456 F MAHARASHTRA              19
106    Gunja                5412378960 Pune               400414 F MAHARASHTRA              29
107    Priya                           Mumbai             400069 F MAHARASHTRA              28
108    Saima                           Pune               400069 F MAHARASHTRA              22
110    Harsh                1245673456 Pune               400459 F MAHARASHTRA              27

8 rows selected.

SQL>
```

14)

Run SQL Command Line

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

1 row deleted.

SQL> select * from Client_imran;

CLIENT NAME                    PHONE CITY            PINCODE G STATE                    AGE
------ -------------------- ---------- --------------- ---------- - -------------------- ----------
101    Imran                1234567632 Mumbai             400069 M MAHARASHTRA               22
103    Rizwan               1239874560 Nashik             400456 M MAHARASHTRA               26
104    Pooja                 145237410 Nashik             400456 F MAHARASHTRA               19
106    Gunja                5412378960 Pune               400414 F MAHARASHTRA               29
107    Priya                           Mumbai             400069 F MAHARASHTRA               28
108    Saima                           Pune               400069 F MAHARASHTRA               22
110    Harsh                1245673456 Pune               400459 F MAHARASHTRA               27

7 rows selected.

SQL>
```

15)

Run SQL Command Line

```
SQL> delete from Client_imran;

7 rows deleted.

SQL> select * from Client_imran;

no rows selected

SQL>
```