Experiment-3

Aim: To implement a view level design using CREATE VIEW,ALTER VIEW and DELETE VIEW ddl commands.

Creating a table:

```
SQL> CREATE TABLE student2 (
  2    id INT PRIMARY KEY,
  3    name VARCHAR(50),
  4    age INT,
  5    email VARCHAR(100),
  6    registration_date NUMBER,
  7    grade VARCHAR(10)
  8  );

Table created.
```

By using insert command we can insert values in a tables

```
SQL> INSERT INTO student2 VALUES(1,'bindu',12,'bindu@gmail.com',2023-01-01,'A');

1 row created.

SQL> INSERT INTO student2 VALUES(2,'preethi',13,'preethi@gmail.com',2023-02-02,'B');

1 row created.

SQL> INSERT INTO student2 VALUES(3,'pooji',13,'pooji@gmail.com',2023-02-03,'C');

1 row created.

SQL> INSERT INTO student2 VALUES(4,'suppi',14,'suppi@gmail.com',2023-02-04,'D');

1 row created.

SQL> INSERT INTO student2 VALUES(5,'usha',15,'usha@gmail.com',2023-02-05,'E');

1 row created.
```

Creating view councellor:

```
SQL> CREATE VIEW counsellor AS SELECT name,age,grade FROM student2;

View created.
```

Inserting values into councellor:

```
SQL> INSERT INTO student2 VALUES(1,'bindu',12,'bindu@gmail.com',2023-01-01,'A');

1 row created.

SQL> INSERT INTO student2 VALUES(2,'preethi',13,'preethi@gmail.com',2023-02-02,'B');

1 row created.

SQL> INSERT INTO student2 VALUES(3,'pooji',13,'pooji@gmail.com',2023-02-03,'C');

1 row created.

SQL> INSERT INTO student2 VALUES(4,'suppi',14,'suppi@gmail.com',2023-02-04,'D');

1 row created.

SQL> INSERT INTO student2 VALUES(5,'usha',15,'usha@gmail.com',2023-02-05,'E');

1 row created.
```

Selecting specific row :

```
SQL> SELECT * FROM counsellor;

NAME                                                        AGE GRADE
---------------------------------------------------- ---------- -------
bindu                                                        12 A
preethi                                                      13 B
pooji                                                        13 C
suppi                                                        14 D
usha                                                         15 E
```

Update :

```
SQL> UPDATE counsellor SET name = 'samyu' WHERE age=12;

1 row updated.

SQL> SELECT * FROM counsellor;

NAME                                                      AGE GRADE
-------------------------------------------------- ---------- ------
samyu                                                     12 A
preethi                                                   13 B
pooji                                                     13 C
suppi                                                     14 D
usha                                                     15 E
```

truncate or drop view:

```
SQL> DROP VIEW counsellor;

View dropped.
```