EXPERIMENT NO.: - 3

AIM: Writing SQL Statements using SQL Compiler.

1. **Creating Table using CREATE Query**
   Input:

```
CREATE TABLE Students(
  P_Id int,
  First_name varchar(200),
  Last_name varchar(200),
  Ph_no numeric,
  City varchar(200)
);
```

Output

SQL query successfully executed. However, the result set is empty.

2. **Inserting Data into the Table**
   Input:

```
INSERT INTO Students VALUES
(1,'SURAJ','PRAJAPATI',8484848484,'NOIDA');
INSERT INTO Students VALUES
(2,'SANSKAR','VARSHNEY',9595959595,'DELHI');
INSERT INTO Students VALUES
(3,'SAKSHI','YADAV',8787878787,'NOIDA');
INSERT INTO Students VALUES
(4,'SHAKIB','ZAIN',8686868686,'PUNE');
INSERT INTO Students VALUES
(5,'SAPNA','CHAUDHARY',9696969696,'GR.NOIDA');
INSERT INTO Students VALUES
(6,'UJJAWAL','PRIYADARSHI',9191919191,'DELHI');
```

Output

SQL query successfully executed. However, the result set is empty.

3. Displaying the Data using Select Query

Input:

```sql
SELECT * from Students;
```

Output:

P_Id	First_name	Last_name	Ph_no	City
1	SURAJ	PRAJAPATI	8484848484	NOIDA
2	SANSKAR	VARSHNEY	9595959595	DELHI
3	SAKSHI	YADAV	8787878787	NOIDA
4	SHAKIB	ZAIN	8686868686	PUNE
5	SAPNA	CHAUDHARY	9696969696	GR.NOIDA
6	UJJAWAL	PRIYADARSHI	9191919191	DELHI

4. Updating the Data using UPDATE Query

Input:

```sql
UPDATE Students
SET First_name='Himanshu',
Last_name='Ranjan'
WHERE P_id=1;
SELECT * from Students;
```

Output:

P_Id	First_name	Last_name	Ph_no	City
1	Himanshu	Ranjan	8484848484	NOIDA
2	SANSKAR	VARSHNEY	9595959595	DELHI
3	SAKSHI	YADAV	8787878787	NOIDA
4	SHAKIB	ZAIN	8686868686	PUNE
5	SAPNA	CHAUDHARY	9696969696	GR.NOIDA
6	UJJAWAL	PRIYADARSHI	9191919191	DELHI

5. **Deletion of a particular row using DELETE Query.**

Input:

```
DELETE FROM Students
WHERE P_id=6;
SELECT * FROM Students;
```

Output

P_Id	First_name	Last_name	Ph_no	City
1	Himanshu	Ranjan	8484848484	NOIDA
2	SANSKAR	VARSHNEY	9595959595	DELHI
3	SAKSHI	YADAV	8787878787	NOIDA
4	SHAKIB	ZAIN	8686868686	PUNE
5	SAPNA	CHAUDHARY	9696969696	GR.NOIDA

6. **Modification in Table (deleting a column) using ALTER Query**

Input:

Input

```
ALTER TABLE Students
DROP COLUMN Last_name;
SELECT * FROM Students;
```

Output

P_Id	First_name	Ph_no	City
1	Himanshu	8484848484	NOIDA
2	SANSKAR	9595959595	DELHI
3	SAKSHI	8787878787	NOIDA
4	SHAKIB	8686868686	PUNE
5	SAPNA	9696969696	GR.NOIDA

7. Deleting the Table using DROP Query

Input:

Input   [⟲] [☾] [⋮] **Run SQL**

DROP TABLE Students;
SELECT* FROM Students;

Output

Error: no such table: Students