## Ques-1)

1. Create a table called Employee with the following structure.

| Name | Type |
|---|---|
| Empno | Number |
| Ename | Varchar2(20) |
| Job | Varchar2(20) |
| Mgr | Number |
| Sal | Number |

  a. Add a column commission with domain to the Employee table.
  b. Insert any five records into the table.
  c. Update the column details of job
  d. Rename the column of Employ table using alter command.
  e. Delete the employee whose empno is 19.
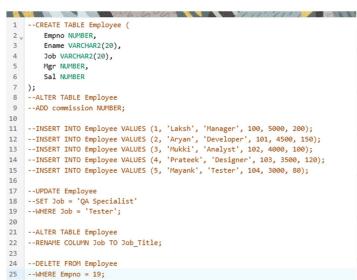
Ans)

Live SQL

SQL Worksheet

```
1   --CREATE TABLE Employee (
2       Empno NUMBER,
3       Ename VARCHAR2(20),
4       Job VARCHAR2(20),
5       Mgr NUMBER,
6       Sal NUMBER
7   );
8   --ALTER TABLE Employee
9   --ADD commission NUMBER;
10
11  --INSERT INTO Employee VALUES (1, 'Laksh', 'Manager', 100, 5000, 200);
12  --INSERT INTO Employee VALUES (2, 'Aryan', 'Developer', 101, 4500, 150);
13  --INSERT INTO Employee VALUES (3, 'Mukki', 'Analyst', 102, 4000, 100);
14  --INSERT INTO Employee VALUES (4, 'Prateek', 'Designer', 103, 3500, 120);
15  --INSERT INTO Employee VALUES (5, 'Mayank', 'Tester', 104, 3000, 80);
16
17  --UPDATE Employee
18  --SET Job = 'QA Specialist'
19  --WHERE Job = 'Tester';
20
21  --ALTER TABLE Employee
22  --RENAME COLUMN Job TO Job_Title;
23
24  --DELETE FROM Employee
25  --WHERE Empno = 19;
26
27  SELECT * from Employee
28
```

0 row(s) deleted.

| EMPNO | ENAME | JOB_TITLE | MGR | SAL | COMMISSION |
|---|---|---|---|---|---|
| 1 | Laksh | Manager | 100 | 5000 | 200 |
| 2 | Aryan | Developer | 101 | 4500 | 150 |
| 3 | Mukki | Analyst | 102 | 4000 | 100 |
| 4 | Prateek | Designer | 103 | 3500 | 120 |
| 5 | Mayank | QA Specialist | 104 | 3000 | 80 |

Download CSV

5 rows selected.

## Ques-2)

2. Create department table with the following structure.

| Name | Type |
|---|---|
| Deptno | Number |
| Deptname | Varchar2(20) |
| location | Varchar2(20) |

   a. Add column designation to the department table.
   b. Insert values into the table.
   c. List the records of emp table grouped by deptno.
   d. Update the record where deptno is 9.
   e. Delete any column data from the table.

Ans)

≡ ◯ Live SQL

### SQL Worksheet

```
1   CREATE TABLE Department (
2       Deptno NUMBER,
3       Deptname VARCHAR2(20),
4       Location VARCHAR2(20)
5   );
6
7   ALTER TABLE Department
8   ADD designation VARCHAR2(20);
9
10  INSERT INTO Department VALUES (1, 'HR', 'Chandigarh', 'Coordinator');
11  INSERT INTO Department VALUES (2, 'Finance', 'New Delhi', 'Manager');
12  INSERT INTO Department VALUES (9, 'IT', 'faridabad', 'Developer');
13
14  SELECT * FROM Employee
15  GROUP BY Deptno;
16
17  UPDATE Department
18  SET Deptname = 'Support'
19  WHERE Deptno = 9;
20
21  ALTER TABLE Department
22  DROP COLUMN designation;
23
24  SELECT * from Department
```

Table altered.

| DEPTNO | DEPTNAME | LOCATION |
|---|---|---|
| 1 | HR | Chandigarh |
| 2 | Finance | New Delhi |
| 9 | Support | faridabad |