Table 2:-

1(a). Create Table name Employee.

```
mysql> create table employee(
    ->                     emp_ID int primary key,
    ->                emp_name varchar(50),
    ->                department varchar(80),
    ->                Salary int,
    ->                city varchar(50)
    ->                );
Query OK, 0 rows affected (0.07 sec)
```

1(b). insert data inside table.

```
mysql> insert into employee values
    ->                   (101,'Ravi','Sales',25000,'Delhi'),
    ->               (102,'Megha','HR',35000,'Mumbai'),
    ->               (103,'Ram','IT',45000,'Banglor'),
    ->               (104,'Suman','IT',55000,'Delhi'),
    ->               (105,'Anita','Selse',30000,'Mumbai');
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

2. Display all employees.

```
mysql> Select * from employee;
+--------+----------+------------+--------+---------+
| emp_ID | emp_name | department | Salary | city    |
+--------+----------+------------+--------+---------+
|    101 | Ravi     | Sales      |  25000 | Delhi   |
|    102 | Megha    | HR         |  35000 | Mumbai  |
|    103 | Ram      | IT         |  45000 | Banglor |
|    104 | Suman    | IT         |  55000 | Delhi   |
|    105 | Anita    | Selse      |  30000 | Mumbai  |
+--------+----------+------------+--------+---------+
5 rows in set (0.00 sec)
```

3. Display employee where work in IT department.

```
mysql> Select * from employee
    -> where department='IT';
+--------+----------+------------+--------+---------+
| emp_ID | emp_name | department | Salary | city    |
+--------+----------+------------+--------+---------+
|    103 | Ram      | IT         |  45000 | Banglor |
|    104 | Suman    | IT         |  55000 | Delhi   |
+--------+----------+------------+--------+---------+
2 rows in set (0.00 sec)
```

4. Display employee who earn more than 30000.

```
mysql> Select * from employee
    -> where salary>30000;
+--------+----------+------------+--------+---------+
| emp_ID | emp_name | department | Salary | city    |
+--------+----------+------------+--------+---------+
|    102 | Megha    | HR         |  35000 | Mumbai  |
|    103 | Ram      | IT         |  45000 | Banglor |
|    104 | Suman    | IT         |  55000 | Delhi   |
+--------+----------+------------+--------+---------+
3 rows in set (0.00 sec)
```

5. Delete employee from the city Delhi.

```
mysql> delete from employee
    -> where city='delhi';
Query OK, 2 rows affected (0.01 sec)
```

6. Display highest salary .

```
mysql> select emp_name as Employee_Name, salary as MAX_Salary from employee
    ->     where salary = (select max(salary) from employee);
+---------------+------------+
| Employee_Name | MAX_Salary |
+---------------+------------+
| Ram           |      45000 |
+---------------+------------+
1 row in set (0.00 sec)
```

7. Display employee minimum salary.

```
mysql> select emp_name as Employee_Name, salary as MAX_Salary from employee
    -> where salary = (select min(salary) from employee);
+---------------+------------+
| Employee_Name | MAX_Salary |
+---------------+------------+
| Anita         |      30000 |
+---------------+------------+
1 row in set (0.00 sec)
```

8. Count number of employee in each department.

```
mysql> SELECT department,COUNT(EMP_ID) AS Num_of_Employee FROM EMPLOYEE
    -> group by department;
+------------+-----------------+
| department | Num_of_Employee |
+------------+-----------------+
| HR         |               1 |
| IT         |               1 |
| Selse      |               1 |
+------------+-----------------+
3 rows in set (0.00 sec)
```

9. Display average salary of IT department.

```
mysql> select  emp_name as Employee_Name, avg(salary) as Average_Salary
    -> from employee
    -> where department = 'IT'
    -> group by emp_name;
+--------------+----------------+
| Employee_Name | Average_Salary |
+--------------+----------------+
| Ram          |     45000.0000 |
+--------------+----------------+
1 row in set (0.00 sec)
```

10. Show employee sort by/order by salary DESC.

```
mysql> select * from employee
    ->  order by salary desc;
+--------+----------+------------+--------+---------+
| emp_ID | emp_name | department | Salary | city    |
+--------+----------+------------+--------+---------+
|    103 | Ram      | IT         |  45000 | Banglor |
|    102 | Megha    | HR         |  35000 | Mumbai  |
|    105 | Anita    | Selse      |  30000 | Mumbai  |
+--------+----------+------------+--------+---------+
3 rows in set (0.00 sec)
```

11. Display employees who name start with 'R' .

```
mysql> SELECT emp_name from employee
    -> where emp_name like 'R%';
+----------+
| emp_name |
+----------+
| Ram      |
+----------+
1 row in set (0.00 sec)
```

12. Rename the table employee to employedDetails.

```
mysql> RENAME table employee to Emp_Details;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> show tables;
+----------------+
| Tables_in_cli_q |
+----------------+
| emp_details    |
+----------------+
1 row in set (0.00 sec)
```