```
Mysql>
Show
databases;
            +-------------------+
            | Database          |
            +-------------------+
            | company           |
            | information_schema |
            | mysql             |
            | performance_schema |
            | sakila            |
            | sys               |
            | world             |
            +-------------------+
            7 rows in set (0.01 sec)
            mysql> use company;
            Database changed
            mysql> create table Employee
                -> (Emp_no int not null,
                -> Emp_name varchar(20) not null,
                -> Adress varchar(20) not null,
                -> Sex varchar(20) not null,
                -> Dept varchar(20) not null,
                -> Salary int,
                -> Doj date not null,
                -> Branch varchar(20),
                -> primary key(Emp_no));
            Query OK, 0 rows affected (0.04 sec)
            mysql> describe employee;
            +----------+-------------+------+-----+---------+-------+
            | Field    | Type        | Null | Key | Default | Extra |
            +----------+-------------+------+-----+---------+-------+
            | Emp_no   | int         | NO   | PRI | NULL    |       |
            | Emp_name | varchar(20) | NO   |     | NULL    |       |
            | Adress   | varchar(20) | NO   |     | NULL    |       |
            | Sex      | varchar(20) | NO   |     | NULL    |       |
            | Dept     | varchar(20) | NO   |     | NULL    |       |
            | Salary   | int         | YES  |     | NULL    |       |
            | Doj      | date        | NO   |     | NULL    |       |
            | Branch   | varchar(20) | YES  |     | NULL    |       |
            +----------+-------------+------+-----+---------+-------+
            8 rows in set (0.01 sec
            mysql> insert into Employee
                -> values
                -> (1,'Anu','koyilandy','female','finance',15000,'1998-05-06','cs'),
                -> (2,'Aru','koyilandy','female','finance',15000,'1995-05-10','cs'),
```

```
    -> (3,'jan','calicut','male','purchase',12000,'1993-04-12','marketing'),
    -> (4,'smith','trivandrum','male','sales',10000,'1997-03-11','hardware');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
mysql> select *from employee;
+--------+----------+------------+--------+----------+--------+------------+----------+
| Emp_no | Emp_name | Adress     | Sex    | Dept     | Salary | Doj        | Branch   |
+--------+----------+------------+--------+----------+--------+------------+----------+
|      1 | Anu      | koyilandy  | female | finance  |  15000 | 1998-05-06 | cs       |
|      2 | Aru      | koyilandy  | female | finance  |  15000 | 1995-05-10 | cs       |
|      3 | jan      | calicut    | male   | purchase |  12000 | 1993-04-12 | marketing |
|      4 | smith    | trivandrum | male   | sales    |  10000 | 1997-03-11 | hardware |
+--------+----------+------------+--------+----------+--------+------------+----------+
4 rows in set (0.00 sec)
mysql> update employee
    -> set adress ='keezhariyur'
    -> where Emp_no=2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> select *from employee;
+--------+----------+-------------+--------+----------+--------+------------+----------+
| Emp_no | Emp_name | Adress      | Sex    | Dept     | Salary | Doj        | Branch   |
+--------+----------+-------------+--------+----------+--------+------------+----------+
|      1 | Anu      | koyilandy   | female | finance  |  15000 | 1998-05-06 | cs       |
|      2 | Aru      | keezhariyur | female | finance  |  15000 | 1995-05-10 | cs       |
|      3 | jan      | calicut     | male   | purchase |  12000 | 1993-04-12 | marketing |
|      4 | smith    | trivandrum  | male   | sales    |  10000 | 1997-03-11 | hardware |
+--------+----------+-------------+--------+----------+--------+------------+----------+
4 rows in set (0.00 sec)
mysql> delete from employee
```

```
    -> where Emp_no=4;
Query OK, 1 row affected (0.01 sec)
```

1.Display all the fields o the Employee table

```
mysql> select *from employee;
+--------+----------+-------------+--------+----------+--------+------------+------------+
| Emp_no | Emp_name | Adress      | Sex    | Dept     | Salary | Doj        | Branch     |
+--------+----------+-------------+--------+----------+--------+------------+------------+
|      1 | Anu      | koyilandy   | female | finance  |  15000 | 1998-05-06 | cs         |
|      2 | Aru      | keezhariyur | female | finance  |  15000 | 1995-05-10 | cs         |
|      3 | jan      | calicut     | male   | purchase |  12000 | 1993-04-12 | marketing  |
+--------+----------+-------------+--------+----------+--------+------------+------------+
3 rows in set (0.00 sec)
```

2.Retrieve employee number and their salary

```
mysql> select Emp_no,salary from Employee;
+--------+--------+
| Emp_no | salary |
+--------+--------+
|      1 |  15000 |
|      2 |  15000 |
|      3 |  12000 |
+--------+--------+
3 rows in set (0.00 sec)
```

3.Retrieve average salary of all employee

```
mysql> select avg(salary) as 'average salary'
    -> from Employee;
+----------------+
| average salary |
+----------------+
|     14000.0000 |
+----------------+
1 row in set (0.01 sec)
mysql> select count(*) from Employee;
+----------+
| count(*) |
+----------+
|        3 |
+----------+
1 row in set (0.00 sec)
```

5.Retrieve distinct number of employee

```
mysql> select distinct count(*) from Employee;
+----------+
| count(*) |
+----------+
|        3 |
+----------+
1 row in set (0.00 sec)
```

6.Retrieve total salary of employee group by employee name and count similar name

```
mysql> select sum(salary) as 'total salary' from Employee
    -> group by Emp_name
    -> having count(Emp_name)>1;
Empty set (0.00 sec)
```

7.Retrieve total salary o employee which is greater than >12000

```
mysql> select sum(salary) from Employee
    -> where salary>12000;
+-------------+
| sum(salary) |
+-------------+
|       30000 |
+-------------+
1 row in set (0.00 sec)
```

8.Display name of employee in descending order

```
mysql> select Emp_name from Employee
    -> order by Emp_name desc;
+----------+
| Emp_name |
+----------+
| jan      |
| Aru      |
| Anu      |
+----------+
3 rows in set (0.00 sec)
mysql> update employee
    -> set Emp_name='martin'
    -> where Emp_no=3;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> update employee
    -> set  salary=25000
    -> where Emp_no=3;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select *from Employee;
+--------+----------+-------------+--------+----------+--------+------------+-
----------+
| Emp_no | Emp_name | Adress      | Sex    | Dept     | Salary | Doj        |
Branch    |
+--------+----------+-------------+--------+----------+--------+------------+-
----------+
|      1 | Anu      | koyilandy   | female | finance  |  15000 | 1998-05-06 |
cs        |
|      2 | Aru      | keezhariyur | female | finance  |  15000 | 1995-05-10 |
cs        |
|      3 | martin   | calicut     | male   | purchase |  25000 | 1993-04-12 |
marketing |
+--------+----------+-------------+--------+----------+--------+------------+-
----------+
3 rows in set (0.00 sec)
```

9.Display details of employee whose name is 'Martin' and salary greater than 20000

```
mysql> select *from Employee
    -> where Emp_name='martin' and salary>20000;
+--------+----------+---------+------+----------+--------+------------+-------
----+
| Emp_no | Emp_name | Adress  | Sex  | Dept     | Salary | Doj        | Branch
|
+--------+----------+---------+------+----------+--------+------------+-------
----+
|      3 | martin   | calicut | male | purchase |  25000 | 1993-04-12 |
marketing |
+--------+----------+---------+------+----------+--------+------------+-------
----+
1 row in set (0.00 sec)
```