1.

mysql> create table teachers(T\_id int primary key auto\_increment,name varchar(50) not null,age int(3) not null, department varchar(50) not null,date\_of\_join date not null,salary int(5) not null, gender char(5) not null);

Query OK, 0 rows affected, 2 warnings (0.01 sec)

mysql> desc teacher;

ERROR 1146 (42S02): Table 'moodletask.teacher' doesn't exist

mysql> desc teachers;

+--------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+----------------+

| T\_id | int | NO | PRI | NULL | auto\_increment |

| name | varchar(50) | NO | | NULL | |

| age | int | NO | | NULL | |

| department | varchar(50) | NO | | NULL | |

| date\_of\_join | date | NO | | NULL | |

| salary | int | NO | | NULL | |

| gender | char(5) | NO | | NULL | |

+--------------+-------------+------+-----+---------+----------------+

7 rows in set (0.00 sec)

mysql> alter table teachers modify salary double;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc teachers;

+--------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+----------------+

| T\_id | int | NO | PRI | NULL | auto\_increment |

| name | varchar(50) | NO | | NULL | |

| age | int | NO | | NULL | |

| department | varchar(50) | NO | | NULL | |

| date\_of\_join | date | NO | | NULL | |

| salary | double | YES | | NULL | |

| gender | char(5) | NO | | NULL | |

+--------------+-------------+------+-----+---------+----------------+

7 rows in set (0.00 sec)

2.

mysql> select \* from teachers where department="computerscience";

+------+---------+-----+-----------------+--------------+--------+--------+

| T\_id | name | age | department | date\_of\_join | salary | gender |

+------+---------+-----+-----------------+--------------+--------+--------+

| 1 | ram | 24 | computerscience | 2017-01-10 | 12000 | m |

| 7 | shiv om | 44 | computerscience | 2017-02-25 | 21000 | m |

+------+---------+-----+-----------------+--------------+--------+--------+

2 rows in set (0.00 sec)

3.

mysql> select name from teachers where gender="f" and department="history";

+------------+

| name |

+------------+

| shakeela |

| charulatha |

+------------+

2 rows in set (0.00 sec)

4.

mysql> select name ,date\_of\_join from teachers order by date\_of\_join asc;

+------------+--------------+

| name | date\_of\_join |

+------------+--------------+

| rupesh | 2007-09-05 |

| shakeela | 2008-03-24 |

| shyam | 2008-06-27 |

| charulatha | 2015-07-01 |

| sandeep | 2016-12-12 |

| ram | 2017-01-10 |

| shiv om | 2017-02-25 |

| arunima | 2018-07-31 |

+------------+--------------+

8 rows in set (0.00 sec)

5.

mysql> select name,department,salary from teachers where gender="m";

+---------+-----------------+--------+

| name | department | salary |

+---------+-----------------+--------+

| ram | computerscience | 12000 |

| sandeep | mathematics | 30000 |

| rupesh | mathematics | 25000 |

| shyam | history | 30000 |

| shiv om | computerscience | 21000 |

+---------+-----------------+--------+

5 rows in set (0.00 sec)

6.

mysql> select count(salary) from teachers where salary<=10000;

+---------------+

| count(salary) |

+---------------+

| 1 |

+---------------+

1 row in set (0.00 sec)

7.

mysql> insert into teachers(name,age,department,date\_of\_join,salary,gender) values("mersha",24,"computer","2000-01-01",12000,"m");

Query OK, 1 row affected (0.00 sec)

8.

mysql> select \* from teachers where salary =(select min(salary) from teachers);

+------+-------+-----+------------+--------------+--------+--------+

| T\_id | name | age | department | date\_of\_join | salary | gender |

+------+-------+-----+------------+--------------+--------+--------+

| 9 | shiva | 44 | science | 2017-02-25 | 7000 | m |

+------+-------+-----+------------+--------------+--------+--------+

1 row in set (0.01 sec)

9.

mysql> select \* from teachers order by salary limit 1 offset 1;

+------+------+-----+-----------------+--------------+--------+--------+

| T\_id | name | age | department | date\_of\_join | salary | gender |

+------+------+-----+-----------------+--------------+--------+--------+

| 1 | ram | 24 | computerscience |

2017-01-10 | 12000 | m |

+------+------+-----+-----------------+--------------+--------+--------+

1 row in set (0.00 sec)

10.

mysql> select \* from teachers where salary=(select avg(salary) from teachers where department="history");

+------+---------+-----+-------------+--------------+--------+--------+

| T\_id | name | age | department | date\_of\_join | salary | gender |

+------+---------+-----+-------------+--------------+--------+--------+

| 3 | sandeep | 32 | mathematics | 2016-12-12 | 30000 | m |

| 6 | shyam | 50 | history | 2008-06-27 | 30000 | m |

+------+---------+-----+-------------+--------------+--------+--------+

2 rows in set (0.00 sec)