**1.**mysql> create table teacherdetails(TeachID int primary key auto\_increment,Name varchar(50) not null,Age int not null,Department varchar(100) not null,Date\_of\_Join date not null,Salary int not null,Gender char(5) not null);

Query OK, 0 rows affected (0.08 sec)

mysql> desc teacherdetails;

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

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

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

| TeachID | int | NO | PRI | NULL | auto\_increment |

| Name | varchar(50) | NO | | NULL | |

| Age | int | NO | | NULL | |

| Department | varchar(100) | NO | | NULL | |

| Date\_of\_Join | date | NO | | NULL | |

| Salary | int | NO | | NULL | |

| Gender | char(5) | NO | | NULL | |

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

7 rows in set (0.01 sec)

mysql>

mysql> insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("Subesh",24,"ComputerScience","2012-06-23",30000,"Male"),("Ramyadevi",22,"History","2013-04-2=10",12000,"FM"),("Surya.R",26,"Mathematics","2015-06-24",40000,"Male");

Query OK, 3 rows affected, 2 warnings (0.00 sec)

Records: 3 Duplicates: 0 Warnings: 2

mysql> insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("",24,"ComputerScience","2012-06-23",30000,"Male"),("Ramyadevi",22,"History","2013-04-2=10",12000,"FM"),("Surya.R",26,"Mathematics","2015-06-24",40000,"Male");

insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("Sangeeta",27,"ComputerScience","2016-02-28",20000,"FM"),("Rakesh",21,"History","2001-04-12",10000,"Male"),("Devipriya",22,"Mathematics","2010-04-26",12000,"FM");

Query OK, 3 rows affected (0.00 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("Shalakha",28,"History","2003-06-24",15000,"FM");

Query OK, 1 row affected (0.01 sec)

mysql> select \* from teacherdetails;

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 1 | Subesh | 24 | ComputerScience | 2012-06-23 | 30000 | Male |

| 2 | Ramyadevi | 22 | History | 2013-04-02 | 12000 | FM |

| 3 | Surya.R | 26 | Mathematics | 2015-06-24 | 40000 | Male |

| 4 | Sangeeta | 27 | ComputerScience | 2016-02-28 | 20000 | FM |

| 5 | Rakesh | 21 | History | 2001-04-12 | 10000 | Male |

| 6 | Devipriya | 22 | Mathematics | 2010-04-26 | 12000 | FM |

| 7 | Shalakha | 28 | History | 2003-06-24 | 15000 | FM |

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

7 rows in set (0.00 sec)

**2.** mysql> select \* from teacherdetails where Department="ComputerScience";

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 1 | Subesh | 24 | ComputerScience | 2012-06-23 | 30000 | Male |

| 4 | Sangeeta | 27 | ComputerScience | 2016-02-28 | 20000 | FM |

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

2 rows in set (0.00 sec)

mysql>

**3.** mysql> select \* from teacherdetails where Gender="FM" and Department="History";

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 2 | Ramyadevi | 22 | History | 2013-04-02 | 12000 | FM |

| 7 | Shalakha | 28 | History | 2003-06-24 | 15000 | FM |

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

2 rows in set (0.00 sec)

mysql>

**4.** mysql> select Name,Date\_of\_Join from teacherdetails order by Date\_of\_Join;

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

| Name | Date\_of\_Join |

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

| Rakesh | 2001-04-12 |

| Shalakha | 2003-06-24 |

| Devipriya | 2010-04-26 |

| Subesh | 2012-06-23 |

| Ramyadevi | 2013-04-02 |

| Surya.R | 2015-06-24 |

| Sangeeta | 2016-02-28 |

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

7 rows in set (0.00 sec)

mysql>

**5.** mysql> insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("Kumar",21,"Mathematics","2001-01-23",7000,"Male");

Query OK, 1 row affected (0.01 sec)

mysql> select Name,Department,Salary from teacherdetails where Salary<10000;

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

| Name | Department | Salary |

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

| Kumar | Mathematics | 7000 |

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

1 row in set (0.00 sec)

mysql>

**6.** mysql> select count(salary) from teacherdetails where Salary<10000;

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

| count(salary) |

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

| 1 |

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

1 row in set (0.01 sec)

mysql>

**7.** mysql> insert into teacherdetails(Name,Age,Department,Date\_of\_Join,Salary,Gender) values("Mersha",25,"ComputerScience","2000-01-01",12000,"Male");

Query OK, 1 row affected (0.01 sec)

mysql> select \* from teacherdetails;

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 1 | Subesh | 24 | ComputerScience | 2012-06-23 | 30000 | Male |

| 2 | Ramyadevi | 22 | History | 2013-04-02 | 12000 | FM |

| 3 | Surya.R | 26 | Mathematics | 2015-06-24 | 40000 | Male |

| 4 | Sangeeta | 27 | ComputerScience | 2016-02-28 | 20000 | FM |

| 5 | Rakesh | 21 | History | 2001-04-12 | 10000 | Male |

| 6 | Devipriya | 22 | Mathematics | 2010-04-26 | 12000 | FM |

| 7 | Shalakha | 28 | History | 2003-06-24 | 15000 | FM |

| 8| Mersha | 25 | ComputerScience | 2000-01-01 | 12000 | Male |

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

8 rows in set (0.00 sec)

mysql>

**8.** mysql> select \* from teacherdetails where Salary=(select min(Salary) from teacherdetails);

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 8 | Kumar | 21 | Mathematics | 2001-01-23 | 7000 | Male |

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

1 row in set (0.01 sec)

mysql>

**9.** mysql> select \* from teacherdetails where Salary=(select min(Salary) from teacherdetails where name="Rakesh");

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 5 | Rakesh | 21 | History | 2001-04-12 | 10000 | Male |

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

1 row in set (0.00 sec)

**10.**

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

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

| TeachID | Name | Age | Department | Date\_of\_Join | Salary | Gender |

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

| 2 | Ramyadevi | 22 | History | 2013-04-02 | 12000 | FM |

| 7 | Shalakha | 28 | History | 2003-06-24 | 12000 | FM |

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

2 rows in set (0.00 sec)