**Q1. Create a table with suitable constraints and fill the table with following dataset.**

sql> create table teacher(id int,name varchar(25),department varchar(25),date\_of\_admission date,salary int,gender char(1));

Query OK, 0 rows affected (0.08 sec)

mysql> desc teacher;

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

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

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

| id | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| department | varchar(25) | YES | | NULL | |

| date\_of\_admission | date | YES | | NULL | |

| salary | int | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

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

6 rows in set (0.02 sec)

mysql> insert into teacher values(1,'messi','computer','2001-11-5',15000,'M');

Query OK, 1 row affected (0.01 sec)

mysql> insert into teacher values(2,'lilly','history','1999-03-19',13000,'F');

Query OK, 1 row affected (0.00 sec)

mysql> insert into teacher values(3,'babu','physics','2005-09-20',7000,'M');

Query OK, 1 row affected (0.01 sec)

mysql> insert into teacher values(4,'leo','physics','1998-04-19',10000,'M');

Query OK, 1 row affected (0.01 sec)

mysql> insert into teacher values(5,'susy','history','2001-9-25',8000,'F');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from teacher;

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

| id | name | department | date\_of\_admission | salary | gender |

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

| 1 | messi | computer | 2001-11-05 | 15000 | M |

| 2 | lilly | history | 1999-03-19 | 13000 | F |

| 3 | babu | physics | 2005-09-20 | 7000 | M |

| 4 | leo | physics | 1998-04-19 | 10000 | M |

| 5 | susy | history | 2001-09-25 | 8000 | F |

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

5 rows in set (0.01 sec)

**Q2. Write an SQL Query to select all the information of teachers in computer department.**

**Answer:**

mysql> select \* from teacher where department='computer';

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

| id | name | department | date\_of\_admission | salary | gender |

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

| 1 | messi | computer | 2001-11-05 | 15000 | M |

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

1 row in set (0.01 sec)

**Q3. Write a query to list the name of female teachers in History department.**

**Answer:**

mysql> select name from teacher where gender='F' and department='history';

+-------+

| name |

+-------+

| lilly |

| susy |

+-------+

2 rows in set (0.00 sec)

**Q4. list all names of teachers with date of admission in ascending order**

**Answer:**

mysql> select name from teacher order by date\_of\_admission asc;

+-------+

| name |

+-------+

| leo |

| lilly |

| susy |

| messi |

| babu |

+-------+

5 rows in set (0.00 sec)

**Q5. display Teacher's name, Department, and Salary of male teacher.**

**Answer:**

mysql> select name,department,salary from teacher where gender='M';

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

| name | department | salary |

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

| messi | computer | 15000 |

| babu | physics | 7000 |

| leo | physics | 10000 |

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

3 rows in set (0.00 sec)

**Q6. To count the number of items whose salary is less than 10,000**

**Answer:**

mysql> select count(\*) from teacher where salary<10000;

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

**Q7. To insert a new record in the Teacher table with the following data: 8, "Mersha", "computer",{1/1/2000),12000,"m"**

**Answer:**

mysql> insert into teacher values(8,'mersha','computer','2000-01-01',12000,'M');

Query OK, 1 row affected (0.01 sec)

**Q8. List the teacher detail who is getting the minimum salary.**

**Answer:**

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

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

| id | name | department | date\_of\_admission | salary | gender |

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

| 3 | babu | physics | 2005-09-20 | 7000 | M |

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

1 row in set (0.03 sec)

**Q9. List the teacher detail who is getting the second minimum salary.**

**Answer:**

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

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

| id | name | department | date\_of\_admission | salary | gender |

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

| 5 | susy | history | 2001-09-25 | 8000 | F |

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

1 row in set (0.00 sec)

**Q10. List down the average salary of the teachers belongs to History聽department  
Answer:**

mysql> select avg(salary) from teacher where department='history';

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

| avg(salary) |

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

| 10500.0000 |

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

1 row in set (0.00 sec)