1. **create a table with suitable constraints and fill the table with following dataset**

create table persons(name char(24),dept char(16),gender char(8),salary int,admissiondate date);

Query OK, 0 rows affected (0.03 sec)

mysql> desc persons;

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

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

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

| name | char(24) | YES | | NULL | |

| dept | char(16) | YES | | NULL | |

| gender | char(8) | YES | | NULL | |

| salary | int | YES | | NULL | |

| admissiondate | date | YES | | NULL | |

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

5 rows in set (0.00 sec)

1. **write an SQL query to select all the information to teachers in computer department**

mysql> select \* from persons where dept='computer';

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

| name | dept | gender | salary | admissiondate | doj |

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

| mersha | computer | male | 10000 | 2000-01-01 | NULL |

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

1 row in set (0.00 sec)

**3.write a query to list the name of female teacher in history department**

mysql> select \* from persons where dept='history';

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

| name | dept | gender | salary | admissiondate | doj |

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

| deepa | history | male | 12000 | 2015-04-18 | NULL |

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

6 rows in set (0.00 sec)

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

mysql> select \* from persons order by admissiondate asc;

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

| name | dept | gender | salary | admissiondate | doj |

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

| alwin | bca | male | 10000 | 2000-01-01 | NULL |

| deepa | history | female | 11500 | 2002-09-16 | NULL |

| anu | bcom | male | 9000 | 2005-10-08 | NULL |

| godu | ba | male | 14000 | 2007-04-18 | NULL |

| athira | bsc | female | 11000 | 2007-10-01 | NULL |

| mersha | computer | male | 12000 | 2015-04-18 | NULL |

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

6 rows in set (0.00 sec)

**5.display teachers name department and salary of male teacher**

mysql> select name,dept,salary from persons where gender='male';

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

| name | dept | salary |

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

| mersha | computer | 12000 |

| godu | ba | 14000 |

| anu | bcom | 9000 |

| alwin | bca | 10000 |

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

4 rows in set (0.00 sec)

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

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

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

| count(\*) |

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

| 1 |

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

1 row in set (0.01 sec)

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

insert into persons ( name, dept, admissiondate, salary, gender)VALUES ('Mersha', 'computer', '2000-01-01', 12000, 'm');

Query OK, 1 row affected (0.00 sec)

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

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

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

| name | dept | gender | salary | admissiondate | doj |

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

| deepa | history | male | 9000 | 2005-10-08 | NULL |

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

1 row in set (0.00 sec)

**9. Last the teacher detail who is getting the second minimum salary.**

**10. List down the average salary of the teachers belongs to History department**

mysql> select avg(salary)as average\_salary from persons where dept='history';

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

| average\_salary |

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

| 11250.0000 |

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

1 row in set (0.00 sec)