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

**Answer:**

mysql> create table Teacher(T\_No int,T\_Name varchar(25),Department varchar(25),D\_O\_B date, T\_Salary int,T\_Gender char(2));

Query OK, 0 rows affected (0.01 sec)

mysql> insert into Teacher values(1,'Godwin','Computer','1999-11-20',20000,'M');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teacher values(2,'Jees','Computer','1999-11-11',15000,'M');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teacher values(3,'Anu','History','2001-11-03',12000,'F');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teacher values(4,'Yadhu','Biolagy','2002-01-20',9000,'M');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teacher values(5,'Athira','History','2002-11-20',8000,'F');

Query OK, 1 row affected (0.00 sec)

mysql> select \*from Teacher;

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

| T\_No | T\_Name | Department | D\_O\_B | T\_Salary | T\_Gender |

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

| 1 | Godwin | Computer | 1999-11-20 | 20000 | M |

| 2 | Jees | Computer | 1999-11-11 | 15000 | M |

| 3 | Anu | History | 2001-11-03 | 12000 | F |

| 4 | Yadhu | Biolagy | 2002-01-20 | 9000 | M |

| 5 | Athira | History | 2002-11-20 | 8000 | F |

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

5 rows in set (0.00 sec)

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

**Answer:**

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

| T\_No | T\_Name | Department | D\_O\_B | T\_Salary | T\_Gender |

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

| 1 | Godwin | Computer | 1999-11-20 | 20000 | M |

| 2 | Jees | Computer | 1999-11-11 | 15000 | M |

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

2 rows in set (0.00 sec)

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

**Answer:**

mysql> select T\_Name from Teacher where T\_Gender='F' and department='History';

+--------+

| T\_Name |

+--------+

| Anu |

| Athira |

+--------+

2 rows in set (0.00 sec)

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

**Answer:**

mysql> select T\_Name from Teacher order by D\_O\_B asc;

+--------+

| T\_Name |

+--------+

| Jees |

| Godwin |

| Anu |

| Yadhu |

| Athira |

+--------+

5 rows in set (0.00 sec)

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

**Answer:**

mysql> select T\_Name,Department,T\_Salary from Teacher where T\_Gender='M';

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

| T\_Name | Department | T\_Salary |

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

| Godwin | Computer | 20000 |

| Jees | Computer | 15000 |

| Yadhu | Biolagy | 9000 |

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

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 T\_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(6,'Mersha','Computer','2000-01-01',12000,'M');

Query OK, 1 row affected (0.00 sec)

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

**Answer:**

mysql> select \* from Teacher where T\_Salary=(select min(T\_Salary) from Teacher);

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

| T\_No | T\_Name | Department | D\_O\_B | T\_Salary | T\_Gender |

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

| 5 | Athira | History | 2002-11-20 | 8000 | F |

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

1 row in set (0.01 sec)

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

**Answer:**

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

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

| T\_No | T\_Name | Department | D\_O\_B | T\_Salary | T\_Gender |

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

| 4 | Yadhu | Biolagy | 2002-01-20 | 9000 | M |

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

1 row in set (0.00 sec)

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

SELECT AVG(T\_Salary) AS AverageSalary FROM Teacher WHERE Department = 'History';

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

| AverageSalary |

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

| 10000.0000 |

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

1 row in set (0.00 sec)