SQL Exercise 2

Tables used for this exercise-

```
mysql> select * from supplier;

+------+-----------+--------+--------+
| S#   | Sname     | Status | City   |
+------+-----------+--------+--------+
| S1   | Supplier1 |     10 | Mumbai |
| S2   | Supplier2 |     20 | Thane  |
| S3   | Supplier3 |     30 | Panvel |
+------+-----------+--------+--------+
3 rows in set (0.00 sec)
```

```
mysql> select * from parts;

+------+-------+-------+--------+--------+
| P#   | Pname | Color | Weight | City   |
+------+-------+-------+--------+--------+
| P1   | Screw | Red   |     20 | London |
| P2   | Part2 | Green |     12 | Paris  |
| P3   | Part3 | Blue  |     11 | UK     |
+------+-------+-------+--------+--------+
3 rows in set (0.00 sec)
```

```
mysql> select * from Projects ;

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

| J#   | Jname    | City   |

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

| J1   | Sunny    | Athens |

| J2   | Project2 | Athens |

| J3   | Project3 | London |

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

3 rows in set (0.00 sec)
```

1. **Display the Supplier table in the descending order of CITY.**

```
mysql> select city from supplier
    -> order by city desc;
+--------+
| city   |
+--------+
| Thane  |
| Panvel |
| Mumbai |
+--------+
```

2. **Display the Part Table in the ascending order of CITY and within the city inthe ascending order of Part names.**

```
mysql> select city, pname from parts
    -> order by city,pname;
+--------+-------+
| city   | pname |
+--------+-------+
| London | Part1 |
| Paris  | Part2 |
| UK     | Part3 |
+--------+-------+
```

3. Display all the Suppliers with a status between 10 and 20.

```
mysql> select * from supplier
    -> where status between 10 and 20;
+------+-----------+--------+--------+
| S#   | Sname     | Status | City   |
+------+-----------+--------+--------+
| S1   | Supplier1 |     10 | Mumbai |
| S2   | Supplier2 |     20 | Thane  |
+------+-----------+--------+--------+
2 rows in set (0.00 sec)
```

4. Display all the Parts and their Weight, which are not in the range of 10 and 15.

```
mysql> select Pname, weight from parts
    -> where weight not between 10 and 15;
+-------+--------+
| Pname | weight |
+-------+--------+
| Part1 |     20 |
+-------+--------+
1 row in set (0.00 sec)
```

5. Display all the Part names starting with the letter 'S'.

```
mysql> select Pname from parts
    -> where pname like 'S%';
+-------+
| Pname |
+-------+
| Screw |
+-------+
1 row in set (0.00 sec)
```

6. Display all the Suppliers, belonging to cities starting with the letter 'M'.

```
mysql> select * from Supplier
    -> where city like 'M%';
+------+-----------+--------+--------+
| S#   | Sname     | Status | City   |
+------+-----------+--------+--------+
| S1   | Supplier1 |     10 | Mumbai |
+------+-----------+--------+--------+
1 row in set (0.00 sec)
```

7. Display all the Projects, with the third letter in JNAME as 'n'.

```
mysql> select * from Projects
    -> where jname like '__n%';
+------+-------+--------+
| J#   | Jname | City   |
+------+-------+--------+
| J1   | Sunny | Athens |
+------+-------+--------+
1 row in set (0.00 sec)
```