SQL Exercise 2

1. Display the part table in the descending order of CITY.

```
mysql> select * from p
    -> ORDER BY city DESC;
+----+-------+--------+--------+--------+
| P# | Pname | Color  | Weight | City   |
+----+-------+--------+--------+--------+
| P3 | Screw | Black  |    0.8 | Pune   |
| P5 | Rod   | Yellow |     12 | Paris  |
| P8 | Cap   | White  |     16 | Paris  |
| P1 | Bolt  | Red    |    1.2 | Mumbai |
| P4 | Wheel | Green  |   10.5 | London |
| P7 | Gear  | Silver |     15 | London |
| P2 | Nut   | Blue   |    0.5 | Delhi  |
| P6 | Pin   | Orange |   13.5 | Athens |
+----+-------+--------+--------+--------+
8 rows in set (0.01 sec)
```

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

```
mysql> select * from p order by city ,pname;
+----+-------+--------+--------+--------+
| P# | Pname | Color  | Weight | City   |
+----+-------+--------+--------+--------+
| P6 | Pin   | Orange |   13.5 | Athens |
| P2 | Nut   | Blue   |    0.5 | Delhi  |
| P7 | Gear  | Silver |     15 | London |
| P4 | Wheel | Green  |   10.5 | London |
| P1 | Bolt  | Red    |    1.2 | Mumbai |
| P8 | Cap   | White  |     16 | Paris  |
| P5 | Rod   | Yellow |     12 | Paris  |
| P3 | Screw | Black  |    0.8 | Pune   |
+----+-------+--------+--------+--------+
8 rows in set (0.05 sec)
```

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

```
mysql> select * from s where status between 10 and 20;
+----+----------+--------+--------+
| S# | Sname    | Status | City   |
+----+----------+--------+--------+
| S1 | Tata     |     10 | Mumbai |
| S2 | Reliance |     20 | Delhi  |
| S4 | BP       |     15 | London |
| S5 | Total    |     18 | Paris  |
| S7 | Atos     |     20 | Paris  |
+----+----------+--------+--------+
5 rows in set (0.02 sec)
```

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

```
mysql> select pname,weight from p where weight not between 10 and 15
+-------+--------+
| pname | weight |
+-------+--------+
| Bolt  |    1.2 |
| Nut   |    0.5 |
| Screw |    0.8 |
| Cap   |     16 |
+-------+--------+
4 rows in set (0.01 sec)
```

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

```
mysql> select pname from p where pname like 's%';
+-------+
| pname |
+-------+
| Screw |
+-------+
1 row in set (0.01 sec)
```

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

```
mysql> SELECT * FROM s WHERE city LIKE 'L%';
+----+-------+--------+--------+
| S# | Sname | Status | City   |
+----+-------+--------+--------+
| S4 | BP    |     15 | London |
| S6 | Shell |     25 | London |
+----+-------+--------+--------+
2 rows in set (0.00 sec)
```

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

```
mysql> SELECT * FROM j WHERE jname LIKE '__n%';
Empty set (0.00 sec)
```