SQL Exercise 2

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

```
mysql> select * from supplier order by city desc;
+------+-----------+--------+----------+
| S#   | Sname     | Status | City     |
+------+-----------+--------+----------+
| S4   | Supplier4 |     15 | Paris    |
| S1   | Supplier1 |     10 | New York |
| S2   | Supplier2 |     20 | London   |
| S3   | Supplier3 |     30 | Chicago  |
| S5   | Supplier5 |     25 | Athens   |
+------+-----------+--------+----------+
5 rows in set (0.04 sec)

mysql>
```

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 parts order by city,pname;
+------+-------+--------+--------+-------------+
| P#   | PNAME | COLOR  | Weight | CITY        |
+------+-------+--------+--------+-------------+
| P5   | Part5 | Black  |     18 | Athens      |
| P3   | Part3 | Green  |     14 | Chicago     |
| P1   | Part1 | Red    |   12.5 | London      |
| P2   | Part2 | Blue   |     15 | Los Angeles |
| P4   | Part4 | Yellow |     13 | Paris       |
+------+-------+--------+--------+-------------+
5 rows in set (0.00 sec)

mysql>
```

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 | New York |
| S2   | Supplier2 |     20 | London   |
| S4   | Supplier4 |     15 | Paris    |
+------+-----------+--------+----------+
3 rows in set (0.00 sec)

mysql>
```

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

```
mysql> select * from parts where weight not between 10 and 15;
+------+-------+-------+--------+--------+
| P#   | PNAME | COLOR | Weight | CITY   |
+------+-------+-------+--------+--------+
| P5   | Part5 | Black |     18 | Athens |
+------+-------+-------+--------+--------+
1 row in set (0.00 sec)

mysql>
```

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

```
mysql> select * from parts where pname like 's%';
Empty set (0.00 sec)

mysql>
```

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

```
mysql> select * from supplier where city like 'L%';
+------+-----------+--------+--------+
| S#   | Sname     | Status | City   |
+------+-----------+--------+--------+
| S2   | Supplier2 |     20 | London |
+------+-----------+--------+--------+
1 row in set (0.00 sec)

mysql>
```

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

```
mysql> select * from projects where jname like '__n%';
+------+----------------------+--------+
| J#   | JNAME                | CITY   |
+------+----------------------+--------+
| J2   | General Project Update | London |
+------+----------------------+--------+
1 row in set (0.00 sec)

mysql>
```