Exercise 2

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

SELECT * FROM S ORDER BY City desc;

```
[mysql> SELECT * FROM S ORDER BY City desc;
+------+-------+--------+----------+
| S#   | Sname | Status | City     |
+------+-------+--------+----------+
| S2   | Jones |     10 | Paris    |
| S3   | Blake |     30 | New York |
| S1   | Smith |     20 | London   |
+------+-------+--------+----------+
3 rows in set (0.00 sec)
```

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

SELECT * FROM P ORDER BY City ASC, Pname ASC;

```
[mysql> SELECT * FROM P ORDER BY City ASC, Pname ASC;
+------+-------+-------+--------+----------+
| P#   | Pname | Color | Weight | City     |
+------+-------+-------+--------+----------+
| P1   | Bolt  | Red   |   12.5 | London   |
| P3   | Screw | Black |      8 | New York |
| P2   | Nut   | Blue  |    5.5 | Paris    |
+------+-------+-------+--------+----------+
3 rows in set (0.03 sec)
```

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

SELECT * FROM S WHERE Status BETWEEN 10 AND 20;

```
[mysql> SELECT * FROM S WHERE Status BETWEEN 10 AND 20;
+------+-------+--------+--------+
| S#   | Sname | Status | City   |
+------+-------+--------+--------+
| S1   | Smith |     20 | London |
| S2   | Jones |     10 | Paris  |
+------+-------+--------+--------+
2 rows in set (0.01 sec)
```

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

SELECT Pname, Weight FROM P WHERE Weight NOT BETWEEN 10 and 15;

```
[mysql> SELECT Pname, Weight FROM P WHERE Weight NOT BETWEEN 10 and 15;
+-------+--------+
| Pname | Weight |
+-------+--------+
| Nut   |    5.5 |
| Screw |      8 |
+-------+--------+
2 rows in set (0.02 sec)
```

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

```
mysql> select * from P WHERE Pname LIKE 'S%';
+------+-------+-------+--------+----------+
| P#   | Pname | Color | Weight | City     |
+------+-------+-------+--------+----------+
| P3   | Screw | Black |      8 | New York |
+------+-------+-------+--------+----------+
1 row in set (0.00 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   |
+------+-------+--------+--------+
| S1   | Smith |     20 | London |
+------+-------+--------+--------+
1 row in set (0.01 sec)
```

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

SELECT * FROM J WHERE Jname LIKE '___n%';

```
mysql> SELECT * FROM J WHERE Jname LIKE '___n%';
Empty set (0.01 sec)
```