

## SQL Exercise 2

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

```
mysql> use classwork;
Database changed
mysql> show tables;
+-----+
| Tables_in_classwork |
+-----+
| j                    |
| p                    |
| s                    |
| spj                  |
+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM S
-> ORDER BY City DESC;
+----+-----+-----+-----+
| S# | Sname | Status | City |
+----+-----+-----+-----+
| S5 | Adams | 10     | Rome |
| S2 | Jones | 10     | Paris|
| S1 | Smith | 20     | London|
| S4 | Clark | 20     | London|
| S3 | Blake | 30     | Athens|
+----+-----+-----+-----+
5 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.

```
mysql> SELECT * FROM P
-> ORDER BY City ASC, Pname ASC;
+----+-----+-----+-----+-----+
| P# | Pname | Color | Weight | City |
+----+-----+-----+-----+-----+
| P4 | Cam   | Green | 10     | Athens|
| P1 | Bolt  | Red   | 12     | London|
| P3 | Screw| Black | 13     | London|
| P2 | Nut   | Blue  | 14     | Paris |
+----+-----+-----+-----+-----+
4 rows in set (0.00 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 | Smith | 20 | London |
| S2 | Jones | 10 | Paris |
| S4 | Clark | 20 | London |
| S5 | Adams | 10 | Rome |
+----+-----+-----+-----+
4 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 * FROM p
-> ;
+----+-----+-----+-----+-----+
| P# | Pname | Color | Weight | City |
+----+-----+-----+-----+-----+
| P1 | Bolt | Red | 12 | London |
| P2 | Nut | Blue | 14 | Paris |
| P3 | Screw | Black | 13 | London |
| P4 | Cam | Green | 10 | Athens |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT Pname, Weight FROM P
-> WHERE Weight NOT BETWEEN 10 AND 15;
Empty set (0.00 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 (0.00 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 |
| S4 | Clark | 20 | 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%';
+----+-----+-----+
| J# | Jname | City |
+----+-----+-----+
| J2 | Console | Paris |
+----+-----+-----+
1 row in set (0.00 sec)
```

