

SQL Exercise 2

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

```
mysql> ^C
mysql> select * from s order by city;
+-----+-----+-----+-----+
| S#    | Sname | Status | City    |
+-----+-----+-----+-----+
| S1    | Smith | 20     | London  |
| S3    | Blake | 10     | New York|
| S2    | Jones | 30     | Paris   |
+-----+-----+-----+-----+
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.

```
mysql> select * from p order by city asc, pname asc;
+-----+-----+-----+-----+-----+
| P#    | Pname | Color | Weight | City    |
+-----+-----+-----+-----+-----+
| P1    | Bolt  | Red   | 12.5   | London  |
| P3    | Screw | Green | 1.5    | New York|
| P2    | Nut   | Blue  | 3.5    | Paris   |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

- The rows are first sorted by `city` (London and Paris), so all parts from London are listed first, followed by those from Paris.
- Within each city, the parts are sorted alphabetically by `pname`. In London, the part names are sorted as `Screw` and `Washer`, and in Paris, the part names are sorted as `Bolt`, `Nail`, and `Nut`.

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  |
| S3    | Blake | 10     | New York|
+-----+-----+-----+-----+
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 P
-> WHERE Weight NOT BETWEEN 10 AND 15;
```

Pname	Weight
Nut	3.5
Screw	1.5

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

```
mysql> select pname from p where pname like 'S%';
```

pname
Screw

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

row 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 '__i%';
```

J#	Jname	City
J1	Bridge	London
J2	Building	Paris

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