

## SQL Exercise 2

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

**Ans:**

**select \* from Supplier ORDER BY City DESC ;**

```
mysql> select * from Supplier ORDER BY City DESC ;
```

Snum	Sname	City	Status
1	JOHN Supplies	New York	15
6	FastGoods	New York	20
2	ABC Corp	Los Angeles	18
9	Zeta Corp	Los Angeles	19
3	Global Trade	London	12
8	Alpha Materials	London	17
5	SecureTech	Lisbon	8
10	Omega Parts	Lisbon	9
4	Prime supplies	Lagos	22
7	Techno Supplies	Berlin	13

10 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.

**Ans:**

**SELECT \* FROM Part ORDER BY City ASC, PartName ASC ;**

```
mysql> SELECT * FROM Part ORDER BY City ASC, PartName ASC ;
```

Pnum	PartName	Weight	City
7	Pipe	6.75	Berlin
4	Washer	11.00	Lagos
5	Gasket	9.50	Lisbon
10	Spring	8.00	Lisbon
3	Nut	3.25	London
8	Seal	4.50	London
2	Bolt	7.00	Los Angeles
9	Shaft	12.00	Los Angeles
1	Screw	5.50	New York
6	Valve	14.00	New York

```
10 rows in set (0.00 sec)
```

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

**Ans:**

```
select * from Supplier WHERE Status BETWEEN 10 AND 20 ;
```

```
mysql> select * from Supplier WHERE Status BETWEEN 10 AND 20 ;
```

Snum	Sname	City	Status
1	JOHN Supplies	New York	15
2	ABC Corp	Los Angeles	18
3	Global Trade	London	12
6	FastGoods	New York	20
7	Techno Supplies	Berlin	13
8	Alpha Materials	London	17
9	Zeta Corp	Los Angeles	19

```
7 rows in set (0.00 sec)
```

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

**Ans:**

**SELECT PartName, Weight FROM Part WHERE Weight NOT BETWEEN 10 AND 15 ;**

```
mysql> SELECT PartName, Weight FROM Part WHERE Weight NOT BETWEEN 10 AND 15 ;
+-----+-----+
| PartName | Weight |
+-----+-----+
| Screw    | 5.50   |
| Bolt     | 7.00   |
| Nut      | 3.25   |
| Gasket   | 9.50   |
| Pipe     | 6.75   |
| Seal     | 4.50   |
| Spring   | 8.00   |
+-----+-----+
7 rows in set (0.00 sec)
```

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

**Ans:**

**SELECT PartName from Part WHERE PartName LIKE 'S%';**

```
mysql> SELECT PartName from Part WHERE PartName LIKE 'S%';
+-----+
| PartName |
+-----+
| Screw    |
| Seal     |
| Shaft    |
| Spring   |
+-----+
4 rows in set (0.00 sec)
```

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

**Ans:**

**SELECT \* FROM Supplier WHERE City LIKE 'L%';**

```
mysql> SELECT * FROM Supplier WHERE City LIKE 'L%';
```

Snum	Sname	City	Status
2	ABC Corp	Los Angeles	18
3	Global Trade	London	12
4	Prime supplies	Lagos	22
5	SecureTech	Lisbon	8
8	Alpha Materials	London	17
9	Zeta Corp	Los Angeles	19
10	Omega Parts	Lisbon	9

7 rows in set (0.00 sec)

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

**Ans:**

**SELECT \* FROM Project WHERE JNAME LIKE '\_\_n';**

```
mysql> SELECT * FROM Project WHERE JNAME LIKE '__n';
Empty set (0.00 sec)
```

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