SQL ORDER BY

SQL ORDER BY Clause used to sorting SQL result set either ascending or descending order.

SQL ORDER BY Clause default record set sorting ascending order. Using DESC keyword to result set sorting in descending order.

Syntax

Considering following syntax that help you to understanding ORDER BY clause,

```
SELECT
    column_name1, column_name2, ...
    FROM table_name
    [ WHERE condition ]
    ORDER BY column_name1, column_name2 [ ASC | DESC ];
```

Example

We have following `employee_hour` table that store weekday hours for each employee:

```
SQL> SELECT * FROM employee_hour;

NAME                 DAY        HOURS
-------------------- ---------- ----------
Opal Kole            Monday              8
Max Miller           Monday              8
Beccaa Moss          Monday              8
Paul Singh           Monday              9
Opal Kole            Tuesday             9
Max Miller           Tuesday             6
Beccaa Moss          Tuesday            10
Paul Singh           Tuesday             8
Opal Kole            Wednesday           7
Max Miller           Wednesday           9
Beccaa Moss          Wednesday          11
Paul Singh           Wednesday          12

12 rows selected.
```

Run it...   »

Example

```
SQL> SELECT *
    FROM employee_hour
    ORDER BY hours;

NAME                 DAY        HOURS
-------------------- ---------- ----------
Max Miller           Tuesday             6
Opal Kole            Wednesday           7
Max Miller           Monday              8
Beccaa Moss          Monday              8
Opal Kole            Monday              8
Paul Singh           Tuesday             8
Paul Singh           Monday              9
Opal Kole            Tuesday             9
Max Miller           Wednesday           9
Beccaa Moss          Tuesday            10
Beccaa Moss          Wednesday          11
Paul Singh           Wednesday          12

12 rows selected.
```

Run it...   »

ORDER BY clause apply on `hours` column, result set return into ascending order.

Example

```
SQL> SELECT *
     FROM employee_hour
     ORDER BY hours DESC;

NAME                 DAY        HOURS
-------------------- ---------- ----------
Paul Singh           Wednesday         12
Beccaa Moss          Wednesday         11
Beccaa Moss          Tuesday           10
Paul Singh           Monday             9
Opal Kole            Tuesday            9
Max Miller           Wednesday          9
Opal Kole            Monday             8
Max Miller           Monday             8
Paul Singh           Tuesday            8
Beccaa Moss          Monday             8
Opal Kole            Wednesday          7
Max Miller           Tuesday            6

12 rows selected.
```

Run it...   »

Same thing as above but ORDER BY clause apply on `hours` column, result set return into descending order.