

SQLITE - ORDER BY CLAUSE

http://www.tutorialspoint.com/sqlite/sqlite_order_by.htm

Copyright © tutorialspoint.com

The SQLite **ORDER BY** clause is used to sort the data in ascending or descending order, based on one or more columns.

Syntax:

The basic syntax of ORDER BY clause is as follows:

```
SELECT column-list
FROM table_name
[WHERE condition]
[ORDER BY column1, column2, .. columnN] [ASC | DESC];
```

You can use more than one column in the ORDER BY clause. Make sure whatever column you are using to sort, that column should be available in column-list.

Example:

Consider COMPANY table is having the following records:

ID	NAME	AGE	ADDRESS	SALARY
1	Paul	32	California	20000.0
2	Allen	25	Texas	15000.0
3	Teddy	23	Norway	20000.0
4	Mark	25	Rich-Mond	65000.0
5	David	27	Texas	85000.0
6	Kim	22	South-Hall	45000.0
7	James	24	Houston	10000.0

Following is an example, which would sort the result in descending order by SALARY:

```
sqlite> SELECT * FROM COMPANY ORDER BY SALARY ASC;
```

This would produce the following result:

ID	NAME	AGE	ADDRESS	SALARY
7	James	24	Houston	10000.0
2	Allen	25	Texas	15000.0
1	Paul	32	California	20000.0
3	Teddy	23	Norway	20000.0
6	Kim	22	South-Hall	45000.0
4	Mark	25	Rich-Mond	65000.0
5	David	27	Texas	85000.0

Following is an example, which would sort the result in descending order by NAME and SALARY:

```
sqlite> SELECT * FROM COMPANY ORDER BY NAME, SALARY ASC;
```

This would produce the following result:

ID	NAME	AGE	ADDRESS	SALARY
2	Allen	25	Texas	15000.0
5	David	27	Texas	85000.0
7	James	24	Houston	10000.0
6	Kim	22	South-Hall	45000.0
4	Mark	25	Rich-Mond	65000.0
1	Paul	32	California	20000.0

3	Teddy	23	Norway	20000.0
---	-------	----	--------	---------

Following is an example, which would sort the result in descending order by NAME:

```
sqlite> SELECT * FROM COMPANY ORDER BY NAME DESC;
```

This would produce the following result:

ID	NAME	AGE	ADDRESS	SALARY
3	Teddy	23	Norway	20000.0
1	Paul	32	California	20000.0
4	Mark	25	Rich-Mond	65000.0
6	Kim	22	South-Hall	45000.0
7	James	24	Houston	10000.0
5	David	27	Texas	85000.0
2	Allen	25	Texas	15000.0