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## SQL ORDER BY

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The **ORDER BY** keyword is used to sort the result.

### Sort the Rows

The ORDER BY clause is used to sort the rows.

#### Orders:

| Company   | OrderNumber |
|-----------|-------------|
| Sega      | 3412        |
| ABC Shop  | 5678        |
| W3Schools | 2312        |
| W3Schools | 6798        |

### Example

To display the companies in alphabetical order:

```
SELECT Company, OrderNumber FROM Orders  
ORDER BY Company
```

#### Result:

| Company   | OrderNumber |
|-----------|-------------|
| ABC Shop  | 5678        |
| Sega      | 3412        |
| W3Schools | 6798        |
| W3Schools | 2312        |

### Example

To display the companies in alphabetical order AND the ordernumbers in numerical order:

```
SELECT Company, OrderNumber FROM Orders  
ORDER BY Company, OrderNumber
```

#### Result:

| Company   | OrderNumber |
|-----------|-------------|
| ABC Shop  | 5678        |
| Sega      | 3412        |
| W3Schools | 2312        |
| W3Schools | 6798        |

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## Example

To display the companies in reverse alphabetical order:

```
SELECT Company, OrderNumber FROM Orders  
ORDER BY Company DESC
```

### Result:

| Company   | OrderNumber |
|-----------|-------------|
| W3Schools | 6798        |
| W3Schools | 2312        |
| Sega      | 3412        |
| ABC Shop  | 5678        |

## Example

To display the companies in reverse alphabetical order AND the ordernumbers in numerical order:

```
SELECT Company, OrderNumber FROM Orders  
ORDER BY Company DESC, OrderNumber ASC
```

### Result:

| Company   | OrderNumber |
|-----------|-------------|
| W3Schools | 2312        |
| W3Schools | 6798        |
| Sega      | 3412        |
| ABC Shop  | 5678        |

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