

# SQL ORDER BY

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Sorts result sets

Must come after WHERE clause (if present)

Specifies columns to sort by  
in order of precedence

Ascending order by default,  
use DESC to reverse

```
SELECT
    select_list
FROM
    table_name
ORDER BY
    sort_expression1 [ASC | DESC],
    ...
    sort_expressionN [ASC | DESC];
```

# ORDER BY

	id [PK] integer	title text	author text	genre text	year integer
1	1	Frankenstein	Mary Shelley	Novel	1818
2	2	The Great Gatsby	F. Scott Fitzgerald	Novel	1925
3	3	Big Fish	Daniel Wallace	Magical Realism	1998
4	4	Don Quixote	Miguel de Cervantes	Novel	1605

```
SELECT * FROM books
ORDER BY year;
```



	id [PK] integer	title text	author text	genre text	year integer
1	4	Don Quixote	Miguel de Cervantes	Novel	1605
2	1	Frankenstein	Mary Shelley	Novel	1818
3	2	The Great Gatsby	F. Scott Fitzgerald	Novel	1925
4	3	Big Fish	Daniel Wallace	Magical Realism	1998

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3	3	Big Fish	Daniel Wallace	Magical Realism	1998
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```
SELECT * FROM books
ORDER BY year DESC;
```



	id [PK] integer	title text	author text	genre text	year integer
1	3	Big Fish	Daniel Wallace	Magical Realism	1998
2	2	The Great Gatsby	F. Scott Fitzgerald	Novel	1925
3	1	Frankenstein	Mary Shelley	Novel	1818
4	4	Don Quixote	Miguel de Cervantes	Novel	1605

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```
SELECT * FROM books
ORDER BY title;
```



	id [PK] integer	title text	author text	genre text	year integer
1	3	Big Fish	Daniel Wallace	Magical Realism	1998
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```
SELECT * FROM books
ORDER BY genre, author DESC;
```



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1	3	Big Fish	Daniel Wallace	Magical Realism	1998
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