

S06-L01

Intro: Analytic functions

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Window functions known in Oracle, PostgreSQL, SQL Server, Sybase SQL Anywhere, Teradata and many others. Unfortunately, not in MySQL 5.7 :-)

- `group_concat()` - available in MySQL
- `row_number()`
- `rank()` and `dense_rank()`
- `lag()` and `lead()`
- `first_value()` and `last_value()`

```

10 SELECT
11     letter,
12     ROW_NUMBER() OVER(ORDER BY letter),
13     RANK() OVER(ORDER BY letter),
14     DENSE_RANK() OVER(ORDER BY letter),
15     PERCENT_RANK() OVER(ORDER BY letter),
16     NTILE(10) OVER(ORDER BY letter),
17     FIRST_VALUE(letter) OVER(),
18     LAST_VALUE(letter) OVER(),
19     NTH_VALUE(letter, 3) OVER(ORDER BY letter),
20     LAG(letter) OVER(),

```



Load Query...

Save Query...

Cancel

Execute Statement

| letter | row_number | rank | dense_rank | percent_rank | ntile | first_value | last_value | nth_value | lag | lead |
|--------|------------|------|------------|-------------------|-------|-------------|------------|-----------|------|------|
| a | 1 | 1 | 1 | 0 | 1 | a | e | a | NULL | a |
| a | 2 | 1 | 1 | 0 | 2 | a | e | a | a | a |
| a | 3 | 1 | 1 | 0 | 3 | a | e | a | a | b |
| b | 4 | 4 | 2 | 0.428571428571429 | 4 | a | e | a | a | c |
| c | 5 | 5 | 3 | 0.571428571428571 | 5 | a | e | a | b | c |
| c | 6 | 5 | 3 | 0.571428571428571 | 6 | a | e | a | c | d |
| d | 7 | 7 | 4 | 0.857142857142857 | 7 | a | e | a | c | e |
| e | 8 | 8 | 5 | 1 | 8 | a | e | a | d | NULL |