

An Introduction to Window Functions: Takeaways



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Syntax

- General window functions:

```
function_name([expression]) OVER
(
    [partition_definition]
    [order_definition]
    [frame_definition]
) [AS column_name]
```

Concepts

- SQL window functions allow us to apply various calculations to a set of rows (also called a window) related to the current row and return a single value.
- In general, there are four types of window functions:
 - Aggregate Functions
 - Ranking Functions
 - Distribution Functions
 - Offset Functions
- The OVER clause defines the specification of a window and involves three core elements:
 - Partitioning definition
 - Ordering definition
 - Framing definition

References

- [Window Functions - PostgreSQL](#)
- [Window Functions - MySQL](#)

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