

# Chapter 6 : Window Functions

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## 1 Introduction

Window functions perform operations on groups of rows, also called windows. This is similar to aggregate functions and the group-by clause. However, while group-by collapses each group into a single result row, window functions produce a result of each row. Hence, we have individual row data, alongside aggregated data. The following query uses window functions to return the department-wise average salaries :

```
SELECT
    employee_no
    department
    salary
    AVG(salary) OVER(PARTITION BY department)
        AS dept_avg
FROM
    employees
```

We can do the same for other aggregate functions as well. But now, let us look at the syntax, specific to window functions.

### 1.1 OVER