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SQL Contents

Windows Functions:

```
SELECT
    column_name1,
    window_function(column_name2) OVER([PARTITION BY column_name1]
    [ORDER BY column_name3]) AS new_column
FROM
    table_name;
```

Example:

```
SELECT
    Name, Age, Department, Salary, AVG(Salary) OVER(PARTITION BY Department)
    AS Avg_Salary
FROM
    employee;
```

Having:

```
SELECT
    column_name(s)
FROM
    table_name
WHERE
    condition
GROUP BY
    column_name(s)
HAVING
    condition
ORDER BY
    column_name(s);
```

Example:

```
SELECT
    COUNT(CustomerID), Country
FROM
    Customers
GROUP BY
    Country
HAVING
    COUNT(CustomerID) > 5;
```

Coalesce:

The COALESCE() function returns the first non-null value in a list:

```
SELECT
    COALESCE(NULL, NULL, NULL, 'W3Schools.com', NULL, 'Example.com');
```
