



SQL AND & OR OPERATORS

Understanding Conditional Logic in SQL Queries

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INTRODUCTION TO SQL

- Brief overview of SQL (Structured Query Language)
- Importance of SQL in database management
- Purpose of using conditional operators in SQL queries

THE ROLE OF CONDITIONAL OPERATORS

- Explanation of conditional logic in SQL
- Importance of filtering data with conditions
- Introduction to AND & OR operators

AND OPERATOR

The AND operator is used to filter records that must satisfy all the specified conditions.

Syntax :

```
SELECT column1, column2, ...
```

```
FROM table_name
```

```
WHERE condition1 AND condition2 AND ...;
```

Example :

```
SELECT * FROM Employees
```

```
WHERE Age > 30 AND Department = 'Sales';
```

OR OPERATOR

The OR operator is used to filter records that satisfy at least one of the specified conditions.

Syntax :

```
SELECT column1, column2, ...
```

```
FROM table_name
```

```
WHERE condition1 OR condition2 OR ...;
```

Example :

```
SELECT * FROM Employees
```

```
WHERE Age > 30 OR Department = 'Sales';
```

COMBINING AND & OR OPERATORS

How to use AND & OR operators together

Syntax :

```
SELECT column1, column2, ...
```

```
FROM table_name
```

```
WHERE (condition1 AND condition2) OR condition3;
```

Example :

```
SELECT * FROM Employees
```

```
WHERE (Age > 30 AND Department = 'Sales') OR City = 'New York';
```




Thank You

