

Types of SQL operators

Arithmetic

Arithmetic

Performs math operation on numerical data, we can find addition, subtraction, multiplication, division and modulus.

Comparison

Comparison

Compares two different data returning a boolean value (TRUE or FALSE), checking if equal, greater or lesser.

Logical

Logical

Creates conditional expressions that returns a boolean value (TRUE or FALSE). We can find ALL, AND, ANY, BETWEEN, EXISTS, IN, LIKE, NOT, OR, IS NULL.

Set

Set

Combines similar type of data from tables mixing the result of queries and returning a single result.

Its operators are UNION, UNION ALL, MINUS, INTERSECT.

Arithmetic Operators

ADDITION

Performs the addition operation on numerical data.

```
SELECT OPERAND1 + OPERAND2;
```

Arithmetic Operators

ADDITION EXAMPLE

SELECT 10 + 20; ← Simple sum

SELECT price + 20 FROM products; ← Sum between a column and a number

SELECT price + tax FROM products; ← Sum between two columns of a table

Arithmetic Operators

SUBTRACTION

Performs the subtraction operation on numerical data.

```
SELECT OPERAND1 - OPERAND2;
```

Arithmetic Operators

SUBTRACTION EXAMPLE

SELECT 20 - 20; ← Simple subtraction

SELECT price - 20 FROM products; ← Subtraction between a column and a number

SELECT price - tax FROM products; ← Subtraction between two columns of a table

Arithmetic Operators

MULTIPLICATION

Performs the multiplication operation on numerical data.

```
SELECT OPERAND1 * OPERAND2;
```

Arithmetic Operators

MULTIPLICATION EXAMPLE

SELECT 10 * 20; ← Simple multiplication

SELECT price * 2 FROM products; ← Multiplication between a column and a number

SELECT price * quantity FROM products; ← Multiplication between two columns of a table

Arithmetic Operators

DIVISION

Performs the division operation on numerical data.

```
SELECT OPERAND1 / OPERAND2;
```


Arithmetic Operators

DIVISION EXAMPLE

SELECT 10 / 2; ← Simple division

SELECT price / 2 FROM products; ← Division between a column and a number

SELECT price / quantity FROM products; ← Division between two columns of a table

Arithmetic Operators

MODULUS

Returns the remainder of a division operation on numerical data.

```
SELECT OPERAND1 % OPERAND2;
```

Arithmetic Operators

MODULUS EXAMPLE

SELECT 5 % 2; ← Simple modulus, returns 1

SELECT price % 2 FROM products; ← Modulus between a column and a number

SELECT price % tax FROM products; ← Modulus between two columns of a table

Let's connect

If you want to learn more about the topic, connect or send me a DM.

