# 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.

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## 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

**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

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## Arithmetic Operators

**MULTIPLICATION**

Performs the multiplication operation on numerical data.

SELECT OPERAND1 * OPERAND2;

**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

**DIVISION**  Performs the division operation on numerical data.

SELECT OPERAND1 **/** OPERAND2;

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**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

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## 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

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Let's connect

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

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