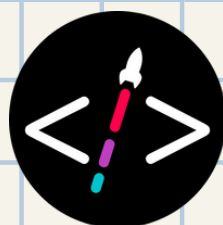
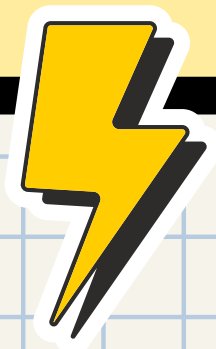
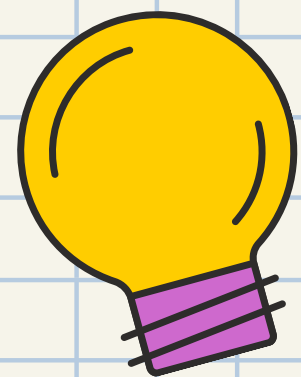
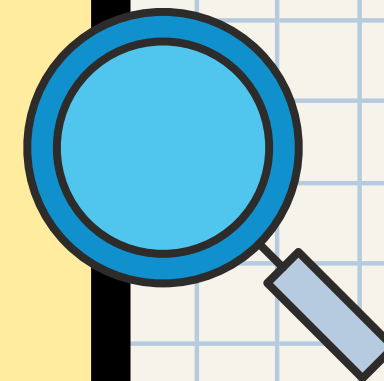
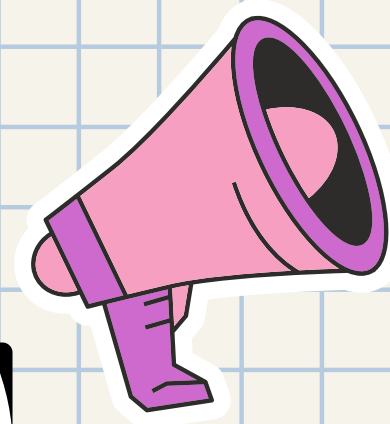


# Javascript Operators



# Types of Operators

In JavaScript, an operator is a special symbol used to perform operations on operands (values and variables).

- **Assignment Operators**
- **Arithmetic Operators**
- **Comparison Operators**
- **Logical Operators**
- **Bitwise Operators**
- **String Operators**



# Arithmetic Operators

Arithmetic operators are used to perform arithmetic calculations.

Operator	Name	Example
<code>+</code>	Addition	<code>x + y</code>
<code>-</code>	Subtraction	<code>x - y</code>
<code>*</code>	Multiplication	<code>x * y</code>
<code>/</code>	Division	<code>x / y</code>
<code>%</code>	Remainder	<code>x % y</code>
<code>++</code>	Increment (increments by 1)	<code>++x</code> or <code>x++</code>
<code>--</code>	Decrement (decrements by 1)	<code>--x</code> or <code>x--</code>
<code>**</code>	Exponentiation (Power)	<code>x ** y</code>



# Assignment Operators

Assignment operators are used to assign values to variables.

Operator	Name	Example
=	Assignment operator	<code>a = 7; // 7</code>
+=	Addition assignment	<code>a += 5; // a = a + 5</code>
-=	Subtraction Assignment	<code>a -= 2; // a = a - 2</code>
*=	Multiplication Assignment	<code>a *= 3; // a = a * 3</code>
/=	Division Assignment	<code>a /= 2; // a = a / 2</code>
%=	Remainder Assignment	<code>a %= 2; // a = a % 2</code>
**=	Exponentiation Assignment	<code>a **= 2; // a = a**2</code>



# Comparison Operators

Comparison operators compare two values and return a boolean value, either true or false

Operator	Description	Example
<code>==</code>	<b>Equal to:</b> returns <code>true</code> if the operands are equal	<code>x == y</code>
<code>!=</code>	<b>Not equal to:</b> returns <code>true</code> if the operands are not equal	<code>x != y</code>
<code>===</code>	<b>Strict equal to:</b> <code>true</code> if the operands are equal and of the same type	<code>x === y</code>
<code>!==</code>	<b>Strict not equal to:</b> <code>true</code> if the operands are equal but of different type or not equal at all	<code>x !== y</code>
<code>&gt;</code>	<b>Greater than:</b> <code>true</code> if left operand is greater than the right operand	<code>x &gt; y</code>
<code>&gt;=</code>	<b>Greater than or equal to:</b> <code>true</code> if left operand is greater than or equal to the right operand	<code>x &gt;= y</code>
<code>&lt;</code>	<b>Less than:</b> <code>true</code> if the left operand is less than the right operand	<code>x &lt; y</code>
<code>&lt;=</code>	<b>Less than or equal to:</b> <code>true</code> if the left operand is less than or equal to the right operand	<code>x &lt;= y</code>



# Logical Operators

Logical operators perform logical operations and return a boolean value, either true or false.

Operator	Description	Example
<code>&amp;&amp;</code>	<b>Logical AND:</b> <code>true</code> if both the operands are <code>true</code> , else returns <code>false</code>	<code>x &amp;&amp; y</code>
<code>  </code>	<b>Logical OR:</b> <code>true</code> if either of the operands is <code>true</code> ; returns <code>false</code> if both are <code>false</code>	<code>x    y</code>
<code>!</code>	<b>Logical NOT:</b> <code>true</code> if the operand is <code>false</code> and vice-versa.	<code>!x</code>

