

A decorative background featuring a network diagram. It consists of numerous nodes, represented by small circles, some of which are solid blue, some are white with a blue outline, and others are grey. These nodes are interconnected by thin, light grey lines, forming a complex web-like structure that is more dense on the left and right sides of the slide.

Java Operators

Hello!

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Arithmetic Operators

Operator	Name	Description	Example
+	Addition	Adds together two values	$x + y$
-	Subtraction	Subtracts one value from another	$x - y$
*	Multiplication	Multiplies two values	$x * y$
/	Division	Divides one value by another	x / y
%	Modulus	Returns the division remainder	$x \% y$
++	Increment	Increases the value of a variable by 1	$++x$
--	Decrement	Decreases the value of a variable by 1	$--x$

Java Assignment Operators

Operator	Example	Same As
=	x = 5	x = 5
+=	x += 3	x = x + 3
-=	x -= 3	x = x - 3
*=	x *= 3	x = x * 3
/=	x /= 3	x = x / 3
%=	x %= 3	x = x % 3
&=	x &= 3	x = x & 3
=	x = 3	x = x 3
^=	x ^= 3	x = x ^ 3

Java Comparison Operators

Operator	Name	Example
<code>==</code>	Equal to	<code>x == y</code>
<code>!=</code>	Not equal	<code>x != y</code>
<code>></code>	Greater than	<code>x > y</code>
<code><</code>	Less than	<code>x < y</code>
<code>>=</code>	Greater than or equal to	<code>x >= y</code>
<code><=</code>	Less than or equal to	<code>x <= y</code>

Java Logical Operators

Operator	Name	Description	Example
&&	Logical and	Returns true if both statements are true	<code>x < 5 && x < 10</code>
	Logical or	Returns true if one of the statements is true	<code>x < 5 x < 4</code>
!	Logical not	Reverse the result, returns false if the result is true	<code>!(x < 5 && x < 10)</code>

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. Some nodes are highlighted with blue circles, and others with blue dots. The lines are thin and gray, creating a mesh-like structure.

Anylogic

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a network of nodes connected by lines, with some nodes highlighted in blue. The overall style is clean and modern, with a focus on connectivity and data flow.

sample

- Create 2 variables
- Compare variables
- `traceln()`
- `ctrl+space`
- Use checkbox and Boolean variable
- Use `and`, `or`, `not` by Boolean variables
- Create increment variable by button



Thanks!

Any questions?

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