

# OOP JAVA

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Operators.

Control Flow Statements

# Operators

+	-	*	/	%	++	--	
<	>	<=	>=	==	!=		
&		^	&&		?:	!	~
<<	>>	>>>					
=	+=	-=	*=	/=	%=		
&=	=	^=	<<=	>>=	>>>=		

# Operator +

## binary

- integer
- floating-point
- string concatenation

## unary

- numerical

# Operator -

binary

- integer
- floating-point

unary

- numerical

\*  
/  
%

Multiplicative  
Operators

Increment  
and  
Decrement  
Operators

++

prefix/postfix

--

prefix/postfix

`==`

`!=`

# Equality Operators

# Numerical Comparison Operators

$>$

$>=$

$<$

$<=$



&

|

^

!

&&

||

Logical  
Operators  
(boolean)

# Bitwise Operators (integer)

&

|

^

~

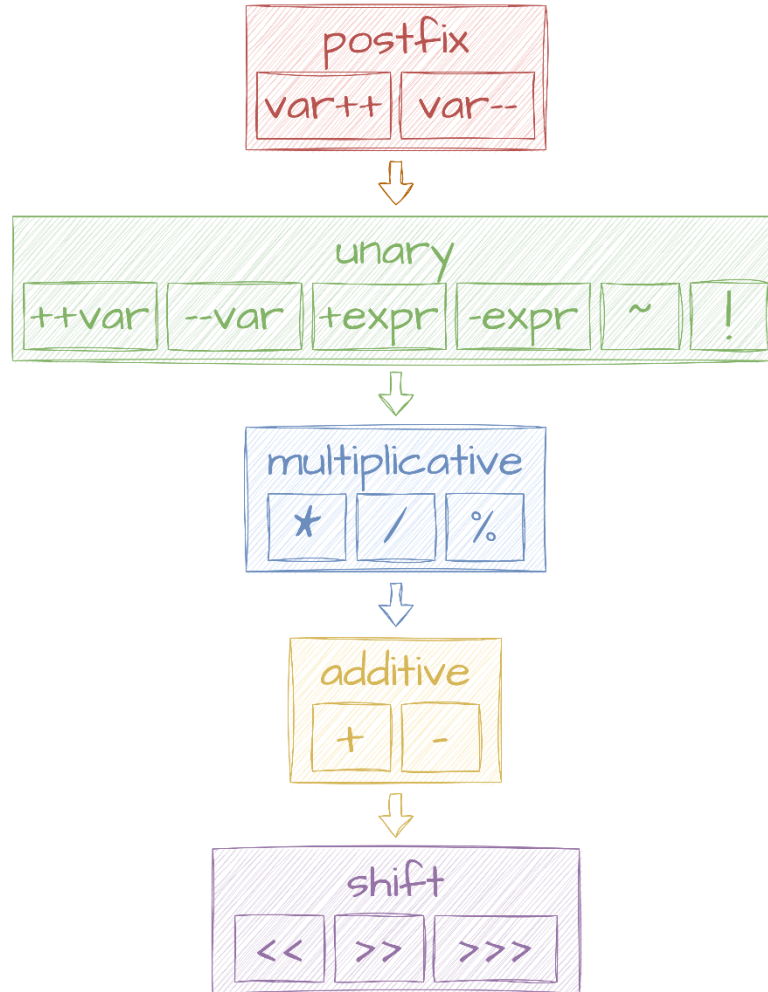
<<

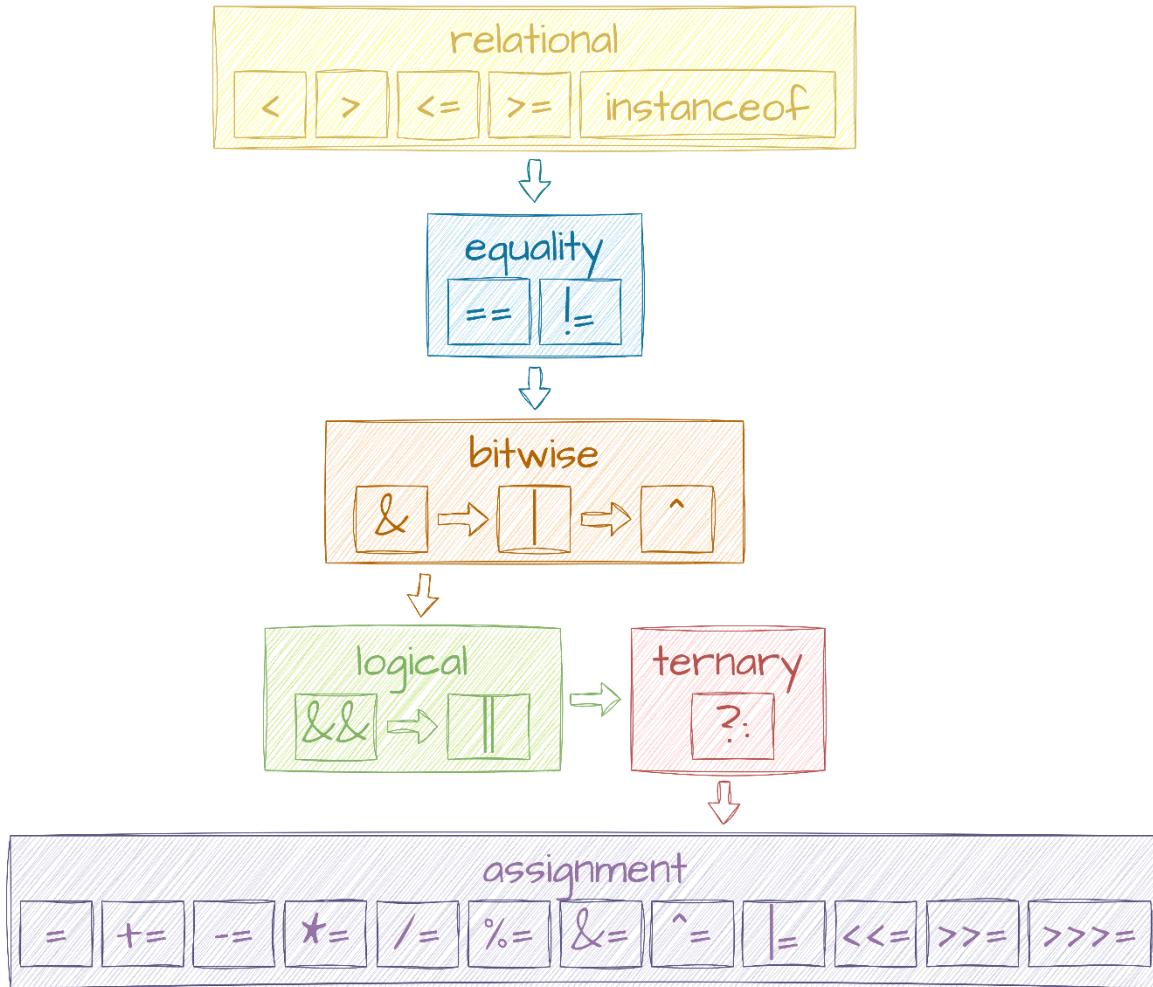
>>

>>>

# Shift Operators (integer)

# Operator Precedence





# Operator Precedence

# Arithmetic Expression Result Type



byte + short + char + **int** --> int



byte + short + char + int + **long** --> long



byte + short + char + int + long + **float** --> float



byte + short + char + int + long + float + **double** --> double

# Operators



## Links:

- [The Java Tutorials: Operators](#)
- [Java Language Specification: Expressions](#)

# Control Flow Statements

if-then, if-then-else

switch-case

while

do-while

for/for-each

break/continue



# Control Flow Statements



## Links:

- [The Java Tutorials: Control Flow Statements](#)
- [Java Language Specification: Blocks, Statements, and Patterns](#)