

Operators in Java



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Content

1. Arithmetic Operator
2. Bitwise operator
3. Relational operator
4. Bitwise logical operator

Arithmetic operator

➤ Arithmetic operator

+ - * / % ++ --

➤ Assignment operator

+= -= *= /=

➤ prefix, postfix operator

++a a++

Bitwise operator

& - bitwise AND

| - bitwise OR

~ - bitwise NOT

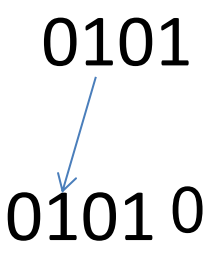
^ - bitwise XOR

	5	0101
	6	0110
&		<hr/>
	4	0100

Bitwise operator

- << - left shift
- >> - right shift (signed)
- >>> - unsigned right shift

5 0101
<<
10 0101 0



Relational operator

- == - equal to
- != - not equal to
- > - greater than
- >= - greater than equal to
- < - less than
- <= - less than equal to

Bitwise logical operator

❑ Operands are of boolean type

&	- logical AND
	-logical OR
^	-logical XOR
!	-logical complement

short circuit operator

&&	-short circuit AND
	-short circuit OR

Example -bitlogop.java

Ternary operator

```
{  
int large;  
int a=7, b=5;  
large= a>b?a:b;  
System.out.println(" large is :"+large);  
}
```




Thank you