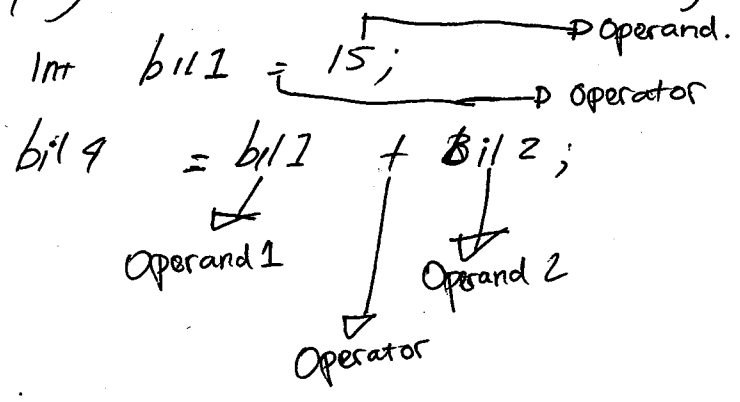


Operator adalah simbol yang digunakan untuk melakukan operasi tertentu yang melibatkan satu, dua atau tiga Operando dan memberikan hasil



- parentheses = ( ) = 16 = left to right
- Postfix = Expr ++, Expr -- = 15 = Left to right
- Unary : ++ Expr, -- Expr, + Expr, - Expr = 14 = Right to left
- Multiplicative : \* / % = 12 = left to right
- additive : + - = 11 = left to right
- Relational : < > <= >= = 9 = Left to right
- Equality : == != = 8 = left to right
- Logical AND : && = 4 = Left to right
- Logical OR = || = 3 = Left to right
- Ternary : ? : = 2 = Right to left
- Assignment : += -= \*= /= %= : 1 = Right to left.

```

Expression
bil5 = 10
bil3 = bil1 + bil2

Statement
bil5 = 10
bil3 = bil1 + bil2
bil4 = -;
+ bil4;
System.out.println("Hello world");
    
```

~~Statement~~

bil5 = 10

operator unary

Unary postfix

Unary prefix

Expression Postfix

---

Operand { Operator }

---

Expression Prefix

---

{ Operator } Operand.

Expr ++, Expr -- = 15

Operator ++ berguna untuk penambahan 1 nilai

Operator -- berguna untuk mengurangi 1 nilai dari nilai Variabel

<u>Operator</u>	<u>Type data</u>
$\text{expr} ++, ++\text{expr}$	byte, short, int long, float, double
$\text{expr} --, --\text{expr}$	byte, short, int long, float, double
$+\text{expr}$	"
$-\text{expr}$	"
$!$	boolean

Penggunaan Penjelasan

$++$  menambah ~~nilai~~ 1 nilai ke dalam Variable

$--$  mengurangi 1 nilai dari Variable

$+$  memberikan nilai positif pada Variable.

$-$  memberikan nilai negatif pada Variable

$!$  mengubah nilai false menjadi True atau sebaliknya.

<u>Operator comparison</u>	
Relational	$< > \leq \geq$
equality	$= \neq$
less than	$\text{bil1} < \text{bil2};$
greater than	$\text{bil1} > \text{bil2};$
Less than Equal	$\text{bil1} \leq \text{bil2};$
greater than Equal	$\text{bil1} \geq \text{bil2};$
Equal	$\text{bil1} = \text{bil2};$
Not Equal	$\text{bil1} \neq \text{bil2};$
Less than	$10 < 11 = \text{True}$
greater than	$10 > 11 = \text{False}$
Less than Equal	$10 \leq 11 = \text{True}$
greater than Equal	$10 \geq 11 = \text{False}$
Equal	$10 = 11 = \text{False}$
Not Equal	$10 \neq 11 = \text{True}$

Expression

~~operator~~ operand 1 operator operand 2.

Logikal And.

hanya akan memberikan nilai "True" jika kedua nilai operandnya True

Logikal OR

hanya akan memberikan nilai "False" jika kedua nilai operandnya False

<u>Operator conditional</u>	
Logical AND	$\&\&$
Logical OR	$\ \ $
Ternary	$?:$
<u>Expression</u>	
Operand 1	Operator
Operand 2	
<u>Ternary</u>	
Variable = (expression) ? Value if true : Value if false	