

Logical Operators

AND (&&)

I ₁	I ₂	Y
T	T	T
T	F	F
F	T	F
F	F	F

If anyone is
F then o/p F

OR (||)

I ₁	I ₂	o/p
T	T	T
T	F	T
F	T	T
F	F	F

If anyone is
T then o/p T

NOT (!)

I/P	O/P
T	F
F	T

reverse of
given

```
if (condition) {  
    // statement  
}
```

```
else {  
    // statement  
}
```

```
if (5 > 3) {  
    syso ("Hi");  
}
```

```
else {  
    syso ("Bye");  
}
```

int a, b $\frac{5, 3}{a \ b}$

Greater value

```
if (a > b) {  
    syso(*a is greater);  
}
```

```
if (5 > 3) {  
    print (5);  
}
```

```
elseif (b > a) {  
    syso(b)  
}  
else {  
    syso(a)  
}
```

HW_GKSTR04 Even_Or_Odd

```
int a;  
  
if(a%2 == 0){  
    print(even);  
}  
else{  
    print(odd);  
}
```

$a = a + 2;$ $a++ \Rightarrow a = a + 1$
 $a += 2;$ $a += 1$

$a-- \Rightarrow a = a - 1$
 $a -= 1$

a, b, c

```
public static void main(String[] args) {
    int a = 5;
    int b = a++;

    System.out.println(b);
    System.out.println(a);
}
```

Output

```
java -cp /
5
6
```

$\text{int } a = 5;$	$a = 5$	b	c
$b = a++$	6	5	-
$c = b++$	6	6	5
$a = ++b$	7	7	5
$b = ++c$	7	6	<u>6</u>
$c = ++a$	8	6	8
$a = b++$	6	7	8
$b = ++c$	6	9	9
$c = a++$	7	9	6
$a = ++c$	7	9	7

$b = 7;$

$c = b++ \Rightarrow 7^8$

$c = ++b \Rightarrow$
 $++8 \Rightarrow 9$