

Operators:

1. Arithmetic operator:

1. Addition —> +
2. Subtraction —> -
3. Multiplication —> *
4. Division —> /
5. Modulus —> %

Ex:

```
int x = 5, y=10;  
x+y;//5+10=15  
Y-x;//10-5=5  
X-y;//5-10=-5  
x*y;//5*10=50  
X/y;5/10=0  
x%y;5%10=5  
Y/x;10/5=2  
y%x;10%5=0
```

2. Assignment operator:

1. Simple assignment —> =
2. +=
3. -=
4. *=
5. /=
6. %=

3. Logical operator:

1. AND —> &&
2. OR —> ||
3. NOT —> !

4. Concatenation: This operator is used to concatenate two different strings. A string value always enclosed inside double quotes

+

Ex:

- a. "A"+"B"; "AB"
- b. "A"+"CD"; "ACD"
- c. "A"+"10"; "A10"
- d. "A"+10; "A10"
- e. "A"+10+"20"; "A1020"
- f. "A"+10+20; "A1020"
- g. 10+20+"A"; "30A"
- h. 10+"A"+20; "10A20"

5. Unary:

- a. Increment
 - i. Pre

- ii. Post
- b. Decrement
 - i. Pre
 - ii. Post
- 6. Relational operator:
 - 1. Comparison can be equal: ==
 - 2. Greater than: >
 - 3. Greater than equals: >=
 - 4. Less than: <
 - 5. Less than equals: <=
 - 6. Not equals: !=
- 7. Ternary operator:
<Condition>?<True part will get executed>:<False part will get executed>
Assignment:
 - a. Find the greatest among two numbers
 - b. Find the smallest among 3 numbers