



Operators :  $\rightarrow$

(i) Arithmetic Operators :  $\rightarrow +, -, /, *, \%$

(ii) Assignment Operators :  $\rightarrow =, +=, -=, /=, *=, \%=$

$\downarrow$                        $\downarrow$   
 [\*Augmented]    [\*Shorthand]

C/C++/Java

Python

$a = 5$   
 $a = a + 10$   
 $a += 10$  (shorthand)

$//$   $**$

$\{ // =$   
 $** =$

(iii) Relational (Comparison Operators) :  $>, <, >=, <=, ==, !=$   
(result == boolean T/F)

(iv) Logical Operators :  $\&\&$   $\&\&$   $!$   $\rightarrow$  C, C++, J  
and or not  $\rightarrow$  Python

(v) Ternary Operator : (Shorthand if-else)

C/C++ (Condition) ? tv : fv;

Java data-type var-name = (condition) ? tv : fv;  
(matching data types)

(vi) Unary Operators ( ++ / -- ) :  $\rightarrow$   
(Prefix / Postfix) (Increment / Decrement)