

Arithmetic Operators

% → modulo

++ → increment

-- → decrement

$$10 \% 3 = 1$$

$$20 \% 4 = 0$$

$$5 \% 2 = 1$$

$$21 \% 4 = 3$$

$$25 \% 4 = 1$$

$$\begin{array}{r} 2 \\ 2 \overline{)5} \\ \underline{4} \\ 1 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \overline{)10} \\ \underline{9} \\ 1 \end{array} \rightarrow$$

$$\begin{array}{r} 6 \\ 4 \overline{)25} \\ \underline{24} \\ 1 \end{array}$$

$$\begin{array}{r} 5 \\ 4 \overline{)23} \\ \underline{20} \\ 3 \end{array}$$

$$\begin{array}{r} 5 \\ 4 \overline{)20} \\ \underline{20} \\ 0 \end{array}$$

++ →

int a = 10;

a++; → 11

a++; → 12

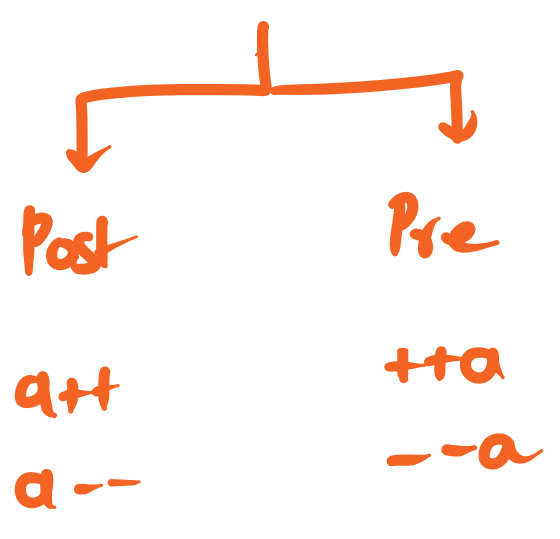
a++; → 13

-- int b = 10

b--; → 9

b--; → 8

b--; → 7



Post

Pre

int a = 10;
int b = a++;

int a = 10;
int b = ++a;

b = a++
[b = 10]
[a = 11]

[b = 11]
[a = 11]