



* Expressions :->

Combination of variables, constants and operators to form a well structure equation is called as an Expression.

Eg. $\text{Sum} = a + b$
 variable = 10
 char1 = 'c'.

* Precedence of Operators :->

Sometimes, we use more than one operator in an expression so, which operator to evaluate first depends upon precedence of operators.

Precedence of operator is the priority given to operator to get evaluated first. Higher precedence operators are evaluated first.

Precedence of " $*$ " and " $/$ " is higher than " $+$ " and " $-$ ".

Eg:-> $20 + 30 * 40$
 $\Rightarrow 20 + 1200$
 $\Rightarrow 1220.$



Two Rules of Precedence :-

- (i) Parenthesis are used to override the precedence. Expression within parenthesis () will be evaluated first because precedence of parenthesis is highest.
- (ii) For operators with same precedence, expression is evaluated from left to right.

Solve: \Rightarrow (i) $\text{sum} = 380 + 70 * 10 - 160 / 40$

(ii) $\text{value} = 30 * 10 / 3$

(iii) $\text{const} = 80 - 270 / 9 + 130 * 2$