Associativity of operator by Munawar

Precedence of operator

The operators are applied and evaluated based on precedence for example (+,-) has less precedence compared to (*, /). Hence * & /are evaluated first.

In case we like to change this order, we use parenthesis.

Associativity

Associativity tells the direction of execution of operators it can either be left to right in right to left.

* / --------- > L to R

+ - ------------------ > L to R

+ +, = --------- > R to L

Quick quiz

How to will you write the following expression in java.

x-y/2 b^2-4ac/2 v^2-U^2 a+b-d

Source Code

```
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {

        int a=6*5-34/2;
        /*
highest precedence goes to * and /.
 they are the evaluated  on the basic of left to right associavity.

        30-34/2
        30-17
```

```
        13
         */

        int b=60/5-34*2;
        // left to right
        /*
        12-34*2
        12-68
        -56
         */
        System.out.println(a);
        System.out.println(b);
        // Precendence and Associativity

        int c=b=45;
        //Right to left
        System.out.println(c);









        //Quiz questions
        int x=6,y=3;
        int k=x-y/2;
        System.out.println(k);
        //Q 2
        int n=b*b -(4*a*c)/(2*a);
        System.out.println(n);
        //Q 3
        int v=2,u=8;
        int r=v*v-u*u;
        System.out.println(r);
        int d=4;
        int result=a+b-d;
        System.out.println(result);
    }}
```

Thank You