

## Greatest between 3 numbers,Factorial number

```
import java.util.Scanner;

public class Multilevel extends factorial {

    public static void main(String[] args) {

        acc();
        great();
        fact();
    }
}

class Acceptingvalues{
    static int a,b,c, fact=1;;
    public static void acc() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter 3 numbers");
        a=sc.nextInt();
        b=sc.nextInt();
        c=sc.nextInt();
    }
}

class greaterno extends Acceptingvalues{
    public static void great() {
        if(a>b)
        {
            if(a>c)
                System.out.println(a+ " is greater number");
            else
                System.out.println(c+ " is greater number");
        }
        else
        {
            if(b>c)
                System.out.println(b+ " is greater number");
            else
                System.out.println(c+ " is greater number");
        }
    }
}

class factorial extends greaterno{

    public static void fact() {

        for(int i=1;i<=a;i++)
        {
            fact=fact*i;
        }
        System.out.println("factorial of "+a+"="+fact);
    }
}
```

Output:

```
<terminated> Multilevel [Java Application] C:\Program Files\Java\jre1.8.0_1
Enter 3 numbers
23
45
34
45 is greater number
factorial of 23=862453760
```