Multilevel Inheritance-

1.Greatest 3 no 2.Factorial no

```java
import java.util.Scanner;

public class Multilevel_Prg extends program2{

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        acc();
        grt();
        factorial();
    }

}
class program
{
    static int a,b,c,fact=1;

    public static void acc() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter three numbers: ");
        a=sc.nextInt();
        b=sc.nextInt();
        c=sc.nextInt();
        }
}
class program1 extends program
{
    public static void grt() {

        if(a>b)
        {
            if(a>c)
            System.out.println(a + " is the greater number.");
        else
            System.out.println(c + " is the greater number.");
        }
        else
        {
            if(b>c)
                System.out.println(b + " is the greater number.");
            else
                System.out.println(c + " is the greater number.");
        }

    }
}
class program2 extends program1
    {
        public static void factorial() {
```

```java
                for(int i=1;i<=a;i++)
                {
                        fact=fact*i;

                }
                System.out.println("factorial of "+a+" = "+fact);
        }
}
```

Output-

```
Enter three numbers:
5
10
15
15 is the greater number.
factorial of 5 = 120
```