

Greatest between 2 numbers,Swapping of 2 number,Addition of 2 number,Multiplication of 2 number

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

        acc();
        Greater obj1=new Greater();
        obj1.great();
        swapping obj2=new swapping();
        obj2.swap();
        Addition obj3=new Addition();
        obj3.add();
        multiplication obj4=new multiplication();
        obj4.multi();
    }
}
class Accepting{
    static int a,b,c;
    public static void acc()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Two Numbers");
        a=sc.nextInt();
        b=sc.nextInt();
    }
}
class Greater extends Accepting {
    public static void great() {
        if(a>b)
        {
            System.out.println(a+ " is greater number");
        }
        else {
            System.out.println(b+ " is greater number");
        }
    }
}
class swapping extends Accepting {
    public static void swap() {
        System.out.println("Before swapping");
        System.out.println("a:"+a);
        System.out.println("b:"+b);
        c=a;
        a=b;
        b=c;
        System.out.println("After Swapping");
        System.out.println("a:"+a);
        System.out.println("b:"+b);
    }
}
}
```

```

class Addition extends Accepting {
    public static void add() {
        c=a+b;
        System.out.println("The Addition of "+a+" and "+b+" is = "+c);
    }
}
class multiplication extends Accepting{
    public static void multi() {
        c=a*b;
        System.out.println("The Multiplication of "+a+" and "+b+" is = "+c);
    }
}

```

Output:

```

<terminated> Hirachical [Java Application] C:\Program Files\Java\jre1.8.0_101\bin\javaw.exe
Enter Two Numbers
12
34
34 is greater number
Before swapping
a:12
b:34
After Swapping
a:34
b:12
The Addition of 34 and 12 is = 46
The Multiplication of 34 and 12 is = 408

```