

ASSIGNMENT – 4

Write a program which accepts the values from console ,use method overloading and overriding concept to display the results by calculating largest values from the variables

```
import java.util.*;
class M1
{

    public void main(int a , int b , int c)

    { System.out.println("Method Overloading");
      if((a > b) && (a > c))
          System.out.println("the largest element is a =" +a);
      else if((b > a) && (b > c))
          System.out.println("the largest element is b =" +b);
      else
          System.out.println("the largest element is c =" +c);
    }
}
class M2 extends M1
{
    public void main(int a , int b , int c)
    System.out.println("Method Overriding");
    {
        if((a > b) && (a > c))
            System.out.println("the largest element is a =" +a);
        else if((b > a) && (b > c))
            System.out.println("the largest element is b =" +b);
        else
            System.out.println("the largest element is c =" +c);
    }
}
public class Main
{

    public static void main(String[] args)
    {
```

```

        M1 ob = new M1();
        M2 ob1 = new M2();
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the 3 variables");
        int a = sc.nextInt();
        int b = sc.nextInt();
        int c = sc.nextInt();
        ob.main(a, b , c);
        ob1.main(a,b,c);

    }
}

```

OUTPUT:

Enter the 3 variables:

2 3 4

Method Overloading:

the largest element is c=5

Method Overriding:

the largest element is c=5

2. Write a simple java program that reads and writes the inputs from the file."

```

import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

```

```

class GFG {

```

```

    public static void main(String[] args)
    {

```

```

        try {

```

```

            FileReader fr = new FileReader("gfgInput.txt");

```

```

            FileWriter fw = new FileWriter("gfgOutput.txt");

```

```
String str="" "  
int i;  
  
while ((i = fr.read()) != -1) {  
    str += (char)i;  
}  
  
System.out.println(str);  
  
fw.write(str);  
  
fr.close();  
fw.close();  
  
// Display message  
System.out.println(  
    "File reading and writing both done");  
}  
  
catch (IOException e) {  
  
    System.out.println(  
        "There are some IOException");  
    }  
}  
}
```

OUTPUT:

File reading and writing both done