

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