

# 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

Source Code:

```
import java.io.Console;

class Parent {
    public void message() {
        System.out.println("Method of Parent");
    }
}

class Child extends Parent {

    public void message() {
        System.out.println("Method overided and called via Child");
    }

    public int maxx(int a, int b, int c) {
        return (a > b) ? ((a > c) ? a : c) : ((b > c) ? b : c);
    }
}

class OverloadAndRide {

    public static void main(String[] args) {
        Child obj1 = new Child();
        // Reading values from console
        Console console = System.console();

        int a = Integer.parseInt(console.readLine("Enter first number: "));
        int b = Integer.parseInt(console.readLine("Enter second number: "));
        int c = Integer.parseInt(console.readLine("Enter third number: "));

        obj1.message();
        System.out.println("Max of 3 numbers is = " + obj1.maxx(a, b, c));
    }
}
```

Output:

```
Enter first number: 6
Enter second number: 5
Enter third number: 9
Method overided and called via Child
Max of 3 numbers is = 9
```

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

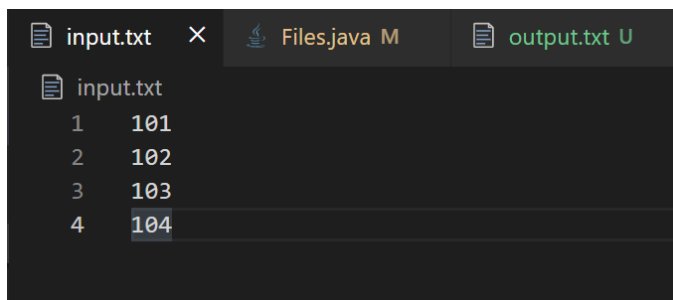
Source Code:

```
import java.util.Scanner;
import java.io.*;
public class Files {
    public static void main(String[] args) {
        Scanner infile;
        PrintWriter outFile;

        try {
            infile = new Scanner(new File("input.txt"));
            outFile = new PrintWriter("output.txt");
            while (infile.hasNext()) {
                int num = infile.nextInt();
                outFile.println(num);
            }
            infile.close();
            outFile.close();
        } catch (Exception e) {
            System.out.println("File not found");
            System.out.println(e.getMessage());
        }
    }
}
```

Output:

*input.txt*



*output.txt*

