

Lab 6 Assignment

Purpose of the Assignment:

To learn how to implement an Interface and design a program with MVC Architecture.

Specification:

In this assignment you need to construct a program which will simply calculate the sum and difference of two integers entered by the user and displays the results in a JFrame. Take the inputs from the user using either DialogReader or JOptionPane. Use the MVC architecture in which the Model component implements the Interface “Compute” given below.

```
public interface Compute
{
    int findsum(int i, int j);
    int finddifference(int i, int j);
    String getString();
}
// This is Compute.java
```

Please show the instructor the design of your program and the output.

Hint: The below information may be helpful to you in implementing an interface.

How to Design with Interfaces?

```
public interface IName {
    String getName();
    void setName(String fname, String lname);
}

Public class Person implements IName {
    String name;

    public String getName() {
        return name;
    }

    public void setName (String fname, String
    lname) {
        name = fname + " " + lname;
    }
}
```