

## Lab 5

## Getting input from input dialog

Name-Surname.....Student No.....Section (LAB).....

## Lab instruction

1. Open VS code or JAVA IDE in your computer.
2. Create a new java class name InputDialogDemo.java, then write the following code.

```
import javax.swing.JOptionPane;

public class InputDialogDemo {
    public static void main(String[] args) {
        //Display GUI with message
        String string = JOptionPane.showInputDialog(null,"Enter input","Input dialog demo",JOptionPane.QUESTION_MESSAGE);

        //Display string in console
        System.out.print(string);

        //Declare output as a String and assign the message
        String output = "The input is "+string;

        //Display the output in GUI
        JOptionPane.showMessageDialog(null,output);
    }
}
```

3. Compile and run the program.

\*\*\*\*\*CHECK POINT #1\*\*\*\*\*

4. Converting String to number

Write NumberUsingInputDialog.java and run the program

```
import javax.swing.JOptionPane;

public class NumberUsingInputDialog {
    public static void main(String[] args) {
        // input for a and b
        String intString1 = JOptionPane.showInputDialog(null, "Enter value a:", "Number", JOptionPane.QUESTION_MESSAGE);
        int a = Integer.parseInt(intString1);

        String intString2 = JOptionPane.showInputDialog(null, "Enter value b:", "Number", JOptionPane.QUESTION_MESSAGE);
        int b = Integer.parseInt(intString2);
        //Create String output
        String outString = "The result of a+b is " + (a+b);
        //Display output in GUI
        JOptionPane.showMessageDialog(null, outString);

    }
}
```

5. Modify NumberUsingInputDialog.java to get the floating point number

\*\*\*\*\*CHECK POINT #2\*\*\*\*\*

6. Write the program to convert the temperature Fahrenheit to Celsius. Use the GUI to receive the input and show output on screen.

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times \frac{5}{9}$$

\*\*\*\*\*CHECK POINT #3\*\*\*\*\*

7. Choose one program in Lab.4 and apply the GUI to receive input and show output

\*\*\*\*\*CHECK POINT #4\*\*\*\*\*

-----End of Lab-----

