Practical No:20

Name : Deepankar Sharma
Course: BCA
University Roll No: 2092014
Student Id : 20041299
Semester: 3
Date: December 29, 2021

Objective: WAP to demonstrate the Java Swing API.

Code :

```java
import java.awt.*;
import java.awt.event.*;

import javax.swing.ImageIcon;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;

/**
 * Swing_01_JButtonDemo
 */
public class Swing_01_JButtonDemo extends JFrame {
   Swing_01_JButtonDemo(){
      setVisible(true);
      setBounds(new Rectangle(10, 20, 600, 300));
      setLayout(new FlowLayout(FlowLayout.LEFT));
      setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

      JButton b1= new JButton(new ImageIcon("clickMe.jpg"));
      JLabel l1= new JLabel();
      add(b1, BorderLayout.CENTER);
      add(l1);

      ActionListener al= new ActionListener(){
         public void actionPerformed(ActionEvent ae){
            l1.setText("Welcome to BCA 3rd Semester !!!!");
         }
      };

      b1.addActionListener(al);
   }

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

```
        Swing_01_JButtonDemo obj= new Swing_01_JButtonDemo();
        System.out.println("Ran Successfully !!!!");
    }
}
```

Output:

Windows PowerShell

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PS E:\03 Semester\Java\Assignments\Assignment_10_dec29_Swing> cd "e:\03 Semester\Java\Assignments\Assignment_10_dec29_Swing\" ; if ($?) { javac Swing_01_JButtonDemo.java } ; if ($?) { java Swing_01_JButtonDemo }

Ran Successfully !!!!