

**Madan Bhandari Memorial College**  
Department of Computer Science and Information Technology (B.Sc.CSIT)  
Ninayak Nagar, New Baneshwor, Kathmandu

**Practical Sheet**

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Program No:- 5

Submitted To Debash Adhikari

Lab Date:- 2080/06/18

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T.U.Roll.No. :- 24179

Title: Different operations using swing.

Code:

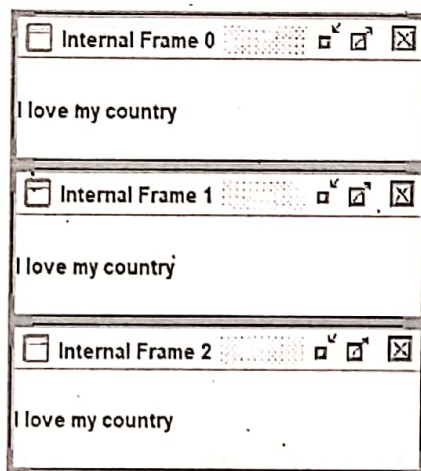
```
import java.awt.BorderLayout;
import java.awt.Container;
import javax.swing.JDesktopPane;
import javax.swing.JFrame;
import javax.swing.JInternalFrame;
import javax.swing.JLabel;

public class JDPaneDemo extends JFrame {
    public JDPaneDemo() {
        CustomDesktopPane desktopPane = new CustomDesktopPane();
        Container contentPane = getContentPane();
        contentPane.add(desktopPane, BorderLayout.CENTER);
        desktopPane.display(desktopPane);
        setTitle("JDesktopPane Example");
        setSize(300, 350);
        setVisible(true);
    }

    public static void main(String args[]) {
        new JDPaneDemo();
    }

    class CustomDesktopPane extends JDesktopPane {
        int numFrames = 3, x = 30, y = 30;
        public void display(CustomDesktopPane dp) {
            for (int i = 0; i < numFrames; ++i) {
                JInternalFrame jFrame = new JInternalFrame("Internal Frame" +
                    i, true, true, true, true);
                jFrame.setBounds(x, y, 250, 85);
                Container c1 = jFrame.getContentPane();
                c1.add(new JLabel("I love my country"));
                dp.add(jFrame); jFrame.setVisible(true); y += 85; }
        }
    }
}
```

JDesktopPane Example



```
[Running] cd "d:\Utsav\Java\lab 5\" && javac JDPaneDemo.java && java JDPaneDemo
```

Code:

```
import javax.swing.*;  
import java.awt.*;  
import java.awt.event.*;  
public class colorchooser extends JFrame implements ActionListener
```

```
    JFrame f;
```

```
    JButton b;
```

```
    JTextArea ta;
```

```
    colorchooser() {
```

```
        f = new JFrame("Color Choser Example.");
```

```
        b = new JButton("Pick Color");
```

```
        b.setBounds(200, 250, 100, 30);
```

```
        ta = new JTextArea();
```

```
        ta.setBounds(10, 10, 300, 200);
```

```
        b.addActionListener(this);
```

```
        f.add(b); f.add(ta);
```

```
        f.setLayout(null);
```

```
        f.setSize(400, 400);
```

```
        f.setVisible(true);
```

```
    }
```

```
    public void actionPerformed(ActionEvent e) {
```

```
        Color c = JColorChooser.showDialog(this, "Choose", Color.CYAN);
```

```
        ta.setBackground(c);
```

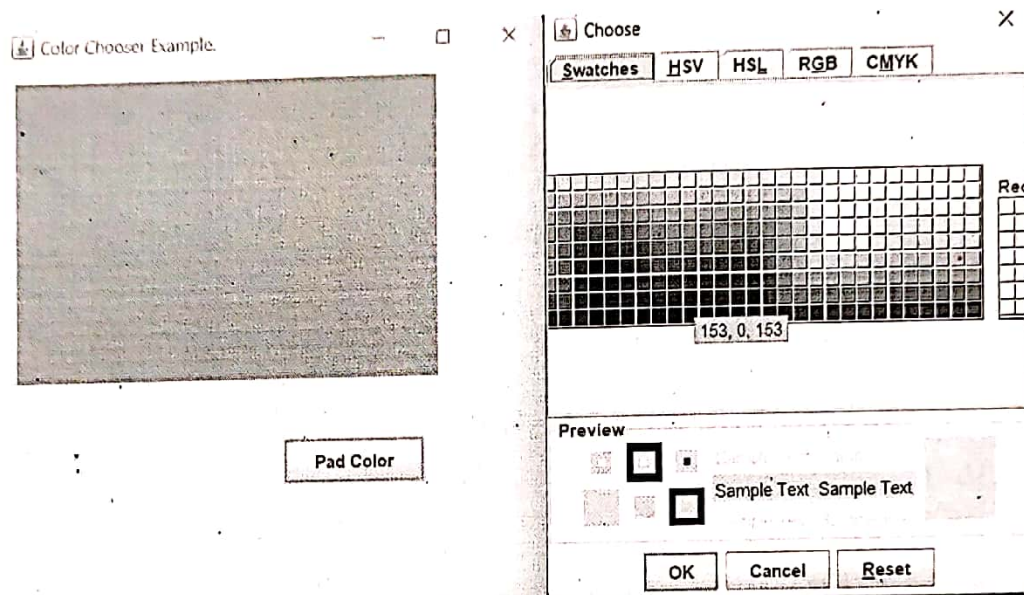
```
    }
```

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

```
        new colorchooser();
```

```
    }
```

```
}
```



```
[Running] cd "d:\Utsav\Java\lab 5\" && javac colorchooser.java && java colorchooser
```

Code:

```
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
import javax.swing.filechooser.*;

public class FileChooser {
    public static void main(String[] args) {
        JFrame frame = new JFrame("File Chooser Example");
        JLabel label = new JLabel("Selected File:");
        JPanel panel = new JPanel();
        JButton saveButton = new JButton("Save File");
        saveButton.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                JFileChooser fileChooser = new JFileChooser(
                    FileSystemView.getFileSystemView());
                int returnValue = fileChooser.showSaveDialog(null);
                if (returnValue == JFileChooser.APPROVE_OPTION) {
                    String selectedFilePath = fileChooser.getSelectedFile().getAbsolutePath();
                    label.setText("Selected File: " + selectedFilePath);
                } else {
                    label.setText("No file selected");
                }
            }
        });

        JButton openButton = new JButton("Open File");
        openButton.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                JFileChooser fileChooser = new JFileChooser(
                    FileSystemView.getFileSystemView());
                int returnValue = fileChooser.showOpenDialog(null);
            }
        });
    }
}
```



```
if (returnValue == JFileChooser.APPROVE_OPTION) {  
    String selectedFilePath = fileChooser.getSelectedFile()  
        ().getAbsolutePath();  
    label.setText("Selected File: " + selectedFilePath);  
}
```

```
} else {  
    label.setText("No file selected");  
}
```

```
}  
}
```

```
});
```

```
panel.add(saveButton);
```

```
panel.add(openButton);
```

```
panel.add(label);
```

```
frame.setLayout(new FlowLayout());
```

```
frame.add(panel);
```

```
frame.setSize(300, 150);
```

```
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
frame.setVisible(true);
```

```
}
```

```
}
```

File Chooser Example

Save File

Open File

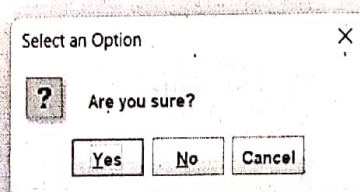
Selected File: D:\Documents\7th Sem\Notes\Java\Advanced Java Programming Note.pdf

```
Running] cd "d:\Utsav\Java\lab 5\" && javac filechooser.java && java filechooser
```

Code:

```
import javax.swing.*;
import java.awt.event.*;
public class OptionPaneExample extends WindowAdapter {
    JFrame f;
    OptionPaneExample() {
        f = new JFrame();
        f.addWindowListener(this);
        f.setSize(300, 300);
        f.setLayout(null);
        f.setDefaultCloseOperation(JFrame.DO_NOTHING_ON_CLOSE);
        f.setVisible(true);
    }
    public void windowClosing(WindowEvent e) {
        int a = JOptionPane.showConfirmDialog(f, "Are you sure?");
        if (a == JOptionPane.YES_OPTION)
            f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }
    public static void main(String[] args) {
        new OptionPaneExample();
    }
}
```





```
[Running] cd "d:\Utsav\Java\lab 5\" && javac OptionPaneExample.java && java OptionPaneExample
```

Code:

```
import javax.swing.*;
public class TableExample {
    JFrame f;
    TableExample() {
        f = new JFrame();
        String data[][] = {{"24", "UTSAV", "9812581"},
                           {"17", "ACHARYA", "125800"},
                           {"9", "SHARMA", "125988"}},
        String column[] = {"ID", "NAME", "SALARY"};
        JTable jt = new JTable(data, column);
        jt.setBounds(30, 40, 200, 300);
        JScrollPane sp = new JScrollPane(jt);
        f.add(sp);
        f.setSize(300, 400);
        f.setVisible(true);
    }
    public static void main (String[] args) {
        new TableExample();
    }
}
```



Code:

```
import javax.swing.*;
public class ToolTipExample {
    public static void main (String[] args) {
        JFrame f = new JFrame("Password Field Example");
        JPasswordField value = new JPasswordField();
        value.setBounds(100, 100, 100, 30);
        value.setToolTipText("Enter your Password");
        JLabel l1 = new JLabel("Password:");
        l1.setBounds(20, 100, 80, 30);
        f.add(value); f.add(l1);
        f.setSize(300, 300);
        f.setLayout(null);
        f.setVisible(true);
    }
}
```

3

4

✱ Password Field Example

Password:

Enter your Password

```
[Running] cd "d:\Utsav\Java\lab 5\" && javac ToolTipExample.java && java ToolTipExample
```