

## Lab - 10

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

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

```
import java.swing.*;
```

```
public class IntegerDiv extends JFrame implements  
ActionListener {
```

```
    TextField n1, n2, res;
```

```
    Label ln1, ln2, lres;
```

```
    Button b;
```

```
    public IntegerDiv() {
```

```
        setLayout(new FlowLayout());
```

```
        Label ln1 = new Label("Number 1",  
                                Label.RIGHT);
```

```
        Label ln2 = new Label("Number 2",  
                                Label.RIGHT);
```

```
        Label ln3 = new Label("Number 3",  
                                Label.RIGHT);
```

```
        n1 = new TextField(12);
```

```
        n2 = new TextField(8);
```

```
        res = new TextField(10);
```

```
        b = new Button("DIVIDE");
```

```
        add(ln1);
```

```
        add(n1);
```

```
        add(ln2);
```

```
        add(n2);
```

```
        add(b);
```

```
        add(lres);
```

```
        add(res);
```

```
b. addActionListener (this);  
addWindowListener (new Window  
Adapter () );
```

```
}
```

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

```
if (ae.getSource() == b) {
```

```
try {
```

```
int num1 = Integer.parseInt(n1,  
getTxt());
```

```
{
```

```
int num2 = Integer.parseInt(n2,  
getTxt());
```

```
int num3 = num1 / num2;
```

```
res.setTxt (String.valueOf (  
num3));
```

```
}
```

```
catch (NumberFormatException re) {
```

```
JOptionPane.showMessageDialog
```

```
(this, re, "ERROR", J
```

```
OptionPane.ERROR_MESSAGE);
```

```
}
```

```
catch (ArithmeticException e) {
```

```
JOptionPane.showMessageDialog
```

```
(this, e, "ERROR", JOptionPane.
```

```
ERROR_MESSAGE);
```

```
}
```

```
}  
}  
}
```

```
public static void main(String[] args) {  
    IntegerDiv i = new IntegerDiv();  
    i.setSize(new Dimension(400, 400));  
    i.setTitle("DIVISION");  
    i.setVariable("tree");  
}
```

```
}
```

```
class WindowAdapter extends Window  
Adapter {  
    public void windowClosing(Window  
        Event we) {  
        System.exit(0);  
    }  
}
```

```
}
```

```
}
```

NUMBER 1 10 NUMBER 2 5

DIVIDE RESULT 2