

```
import java.awt.*;
import java.awt.event.*;
public class IntDivision extends Frame implements ActionListener {
```

```
    TextField num1, num2, result;
    String res, msg1 = " ", msg2 = " ";
    Button div;
```

```
    public IntDivision() {
        setLayout(new FlowLayout());
        div = new Button("Divide");
        Label num1 = new Label("Number 1:", Label.RIGHT);
        Label num2 = new Label("Number 2:", Label.RIGHT);
        Label res = new Label("Result:", Label.RIGHT);
        num1 = new TextField(5);
        num2 = new TextField(5);
        result = new TextField(10);
        add(num1);
        add(num2);
        add(div);
        add(num2);
        add(result);
        add(result);
```

```
        num1.addActionListener(this);
        div.addActionListener(this);
        num2.addActionListener(this);
        result.addActionListener(this);
        addWindowListener(new WindowAdapter() {
            public void windowClosing(WindowEvent we) {
                System.exit(0);
            }
        });
    }
}
```

public void actionPerformed (ActionEvent ae) {

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String s = ae.getActionCommand();

if (s.equals("Divide"))

{  
result.setText("Divide");

repaint();

}

String divide() {

float r;

int n1, n2;

try {

n1 = Integer.parseInt(num1.getText());

n2 = Integer.parseInt(num2.getText());

}

catch (NumberFormatException nfe) {

msg2 = "The input number should be an integer";

return " ";

}

try {

r = (Float.parseFloat(num1.getText()) / (Float.parseFloat(num2.getText())));

res = String.valueOf(r);

catch (ArithmeticException ae) {

msg1 = "Cannot divide a number by zero";

return " ";

if ((Float.parseFloat(num2.getText())) == 0) {

msg1 = "Cannot divide num1 by zero";

return " ";

else {

r = (Float.parseFloat(num1.getText()) / (Float.parseFloat(num2.getText())));  
res = String.valueOf(r);

return 10;

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```
}  
}  
public void paint(Graphics g){  
    g.drawString(msg1, 20, 100);  
    msg1 = " ";  
    g.drawString(msg2, 20, 100);  
    msg2 = " ";  
}
```

```
}  
public static void main(String args[]) {  
    JFrame intdiv = new JFrame("IntDivision");  
    intdiv.setSize(new Dimension(380, 120));  
    intdiv.setTitle("Text Field Demo");  
    intdiv.setVisible(true);  
}
```

```
}  
}
```



TextFieldDemo

Number 1:   Number 2:

Result:

implements ActionListener{

Label.RIGHT);

Label passp=new Label("Password: ",Label.RIGHT);

name =new TextField(12);

pass=new TextField(8);

pa C:\Windows\System32\cmd.exe - java IntDivision

Microsoft Windows [Version 10.0.19041.685]

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J:\Rajeshwari\JAVA\Week12>javac IntDivision.java

J:\Rajeshwari\JAVA\Week12>java IntDivision



J:\Rajeshwari\JAVA\Week12\_Extra\TextFieldDemo.java - Notepad++

TextFieldDemo

Number 1:   Number 2:

Result:

The input number should be integer

Macro Run Plugins Window ?



implements ActionListener{

Label.RIGHT);

Label passp=new Label("Password: ",Label.RIGHT);

name =new TextField(12);

pass=new TextField(8);

pa C:\Windows\System32\cmd.exe - java IntDivision

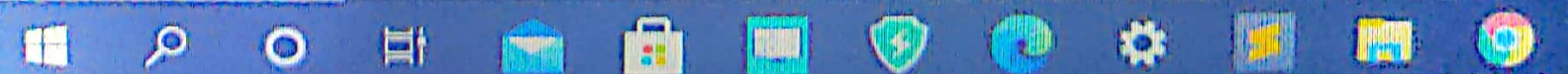
Microsoft Windows [Version 10.0.19041.685]

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J:\Rajeshwari\JAVA\Week12>javac IntDivision.java

J:\Rajeshwari\JAVA\Week12>java IntDivision

java source file





J:\Rajeshwari\JAVA\Week12\_Extra\TextFieldDemo.java - Notepad++

TextFieldDemo

Number 1:

15

Divide

Number 2:

0

Result:

Cannot divide num1 by zero

Macro Run Plugins Window ?



implements ActionListener{

Label.RIGHT);

Label passp=new Label("Password: ",Label.RIGHT);

name =new TextField(12);

pass=new TextField(8);

pa C:\Windows\System32\cmd.exe - java IntDivision

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Java source file