

12/1/2021

Applet

```
10) import java.awt.*;  
import java.awt.event.*;  
import java.applet.*;  
class division extends Applet implements  
    ActionListener
```

```
    String msg;
```

```
    TextField num1, num2, res;
```

```
    Label l1, l2, l3;
```

```
    Button div;
```

```
    public void init() {
```

```
        l1 = new Label("Dividend");
```

```
        l2 = new Label("Divisor");
```

```
        l3 = new Label("Result");
```

```
        num1 = new TextField(10);
```

```
        num2 = new TextField(10);
```

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

```
        div = new Button("Divide");
```

```
        div.addActionListener(this);
```

```
        add(l1);
```

```
        add(num1);
```

```
        add(l2);
```

```
        add(num2);
```

```
        add(l3);
```

```
        add(res);
```

```
        add(div);
```

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

```
    {  
        String msg = ae.getActionCommand();
```

```

int num1=0 ; num2=0;
if (arg.equals ("click")) {
    if (this.num1.getText().isEmpty() || this.num2
        .getText().isEmpty()) {
        msg = "Enter the valid numbers";
        repaint();
    }
    else {
        try {
            num1 = Integer.parseInt(this.num1.getText());
            num2 = Integer.parseInt(this.num2.getText());
            int num3 = num1 / num2;
            mes.setText("String Value of (num3)");
            msg = "Operation Successful";
            repaint();
        }
        catch (NumberFormatException ex) {
            System.out.println(ex);
            mes.setText("");
            msg = "can't be divided by zero";
            repaint();
        }
    }
}

public void paint (Graphics g) {
    g.drawString(msg, 30, 70);
}

```