DAYANAND
1BM19CS043

## Integer Division

```java
import java.awt.*;
import java.awt.event;
class Sample DialogBox extends Dialog implements ActionListener
{ IntDIVUP idu;
  SampleDialog(Frame parent, String title)
{ super(parent, title, false);
  idu=(IntDIVUP)parent;
  SetLayout(new FlowLayout());
  SetSize(500,200);
  add(new Label(idu, errmsg));
    Button b;
  add(b=new Button("OK"));
    b.addActionListener(this); }
  Public void actionPerformed(ActionEvent ae)
{ dispose(); }
}

Public class IntDIVUP extends Frame implements ActionListener
{ TextField Num1, Num2, Result;
    Button Divide;
    String errmsg = "";
  Public IntDIVUP()
{ set Layout & new Flow Layout());
    Divide = new Button("Divide");
  Label Num1p= new Label("Num1:", Label.RIGHT);
  Label Num2p= new Label("Num2:", Label.RIGHT);
```

```java
Result = new TextField (10);
add (Num1P);
add (Num1);
add (Num2P);
add (Num2);
add (Divide);
add (Result);
Divide.addActionListener (this);
addWindowListener (new WindowAdapter () {
 Public void windowClosing (WindowEvent we )
 { System.exit (0); }
 });  }

Public void actionperformd (ActionEvent ae)
 { int a=0, b=1, r=0;
 try
 { a=Integer.parseInt (Num1.getText ());
  b =Integer.parseInt (Num2. getText ()); }
  catch (NumberFormatException e)
 { err msg= " Caught : "+e ;

SampleDialog  d=new SampleDialog (this, "Dialog");
d. setVisible (true); }
 try { r =a/b; }
 catch (ArithmeticException e )
 { errmsg = " Caught: " +e +" Num2 ="+b;
 SampleDialog d=new SampleDialog (this, "Dialog");
 d. setVisible (true);

 Result.setText (" "+r);
 }
```

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```java
public static void main (String args[])
{ IntDivUP appwin = new IntDivUP();
appwin.setSize(new Dimension (700, 700));
appwin.setTitle("Integer Division");
appwin.setVisible (true); } }
```