

LAB 10Aditya Satish Kumar  
18M19C8191

Q.

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

```
class SampleDialog extends Dialog implements ActionListener {
    LAB10 bid;
    SampleDialog (Frame, Parent, String title) {
        super (parent, title, false);
        bid = (LAB10)parent;
        setLayout (new FlowLayout());
        setSize (300, 200);
        add (new Label (bid.msg1));
        Button b;
        add (b = new Button ("OK"));
        b.addActionListener (this);
    }
    public void actionPerformed (ActionEvent ae) {
        dispose();
    }
}
```

```
public class LAB10 extends Frame implements ActionListener {
    TextField num1, num2, result;
```

String msg = "", msg1 = "";

Button divide;

public LAB10() {

setLayout (new FlowLayout());

Label num1 = new Label ("Num 1:", Label.RIGHT);

Label num2 = new Label ("Num 2:", Label.RIGHT);

Label result = new Label ("Result:", Label.RIGHT);



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Button b = new Button ("divide");

num1 = new TextField(8);

num2 = new TextField(8);

result = new TextField(8);

add (num1);

add (num1);

add (num2);

add (num2);

divide = (Button)add(b);

add (result);

add (result);

num1.addActionListener (this);

num2.addActionListener (this);

divide.addActionListener (this);

add WindowListener (new WindowAdapter () {

public void windowClosing (WindowEvent e) {

System.exit (0);

}

});

{

public void actionPerformed (ActionEvent ae) {

if (ae.getSource() == divide) {

try {

msg = "" + Integer.parseInt (num1.getText()) /

Integer.parseInt (num2.getText());

String c = "" + msg;

result.setText(c);

} msg1 = "";

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```
catch (NumberFormatException) {
```

```
    msg1 = "Entered number is not an Integer" + e;
```

```
    SampleDialog d = new SampleDialog (this, "Dialog");
```

```
    d.setVisible(true);
```

```
}
```

```
}
```

```
}
```

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

```
    LAB10 = new LAB10();
```

```
    aa.setSize (new Dimension (400, 400));
```

```
    aa.setTitle ("AWT Division");
```

```
    aa.setVisible(true);
```

```
}
```

```
}
```