

Lab-10

(a) `import java.awt.*;`
`import java.awt.event.*;`

`public class main extends Frame implements`
`ActionListener {`

`Textfield tf1, tf2;`

`Label l;`

`Button b;`

`Main()`

`{`

`tf1 = new Textfield();`

`tf1.setBounds(50, 50, 200, 25);`

`tf2 = new Textfield();`

`tf2.setBounds(50, 200, 200, 25);`

`l = new Label();`

`l.setBounds(50, 150, 200, 50);`

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

`b.setBounds(50, 200, 100, 50);`

`b.addActionListener(this);`

`add(b);`

`add(tf1);`

`add(tf2);`

Teacher's Signature _____


```
add(1);  
setLayout(800, 800);
```

```
setLayout(null);  
setVisible(true);
```

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

```
{  
try {
```

```
String n1 = tf1.getText();
```

```
String n2 = tf2.getText();
```

```
l.setText("Quotient: " + (Integer.parseInt(n1)  
/ Integer.parseInt(n2)));
```

```
}  
catch (NumberFormatException ze)
```

```
{
```

```
l.setText("Cannot divide non-numerical/  
non-integer values");
```

```
}
```

```
catch (ArithmeticException ze)
```

```
{
```

```
l.setText("Cannot divide by zero");
```

```
}
```

```
catch (Exception ex)
```

```
{
```

```
System.out.println(ex);
```

```
}
```

```
}
```

Teacher's Signature

```
public static void main(Strings[] args)
```

```
{
```

```
new Main();
```

```
}
```

```
}
```