Fundamentos de Java

Parte 9

Presenta

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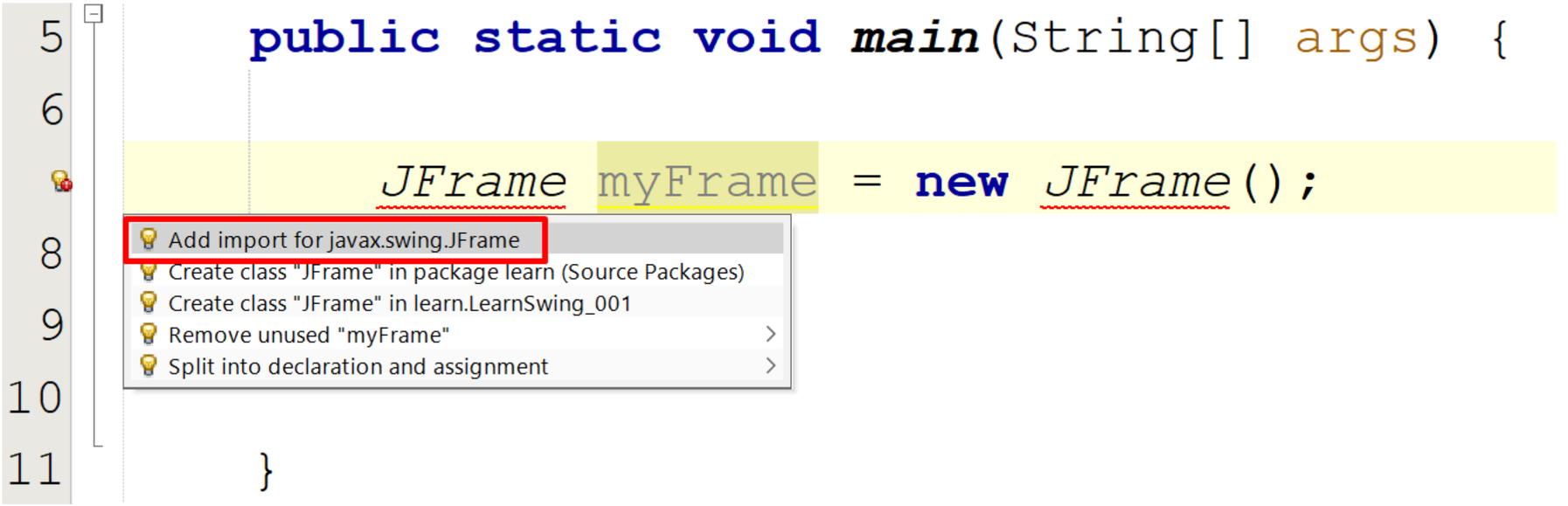
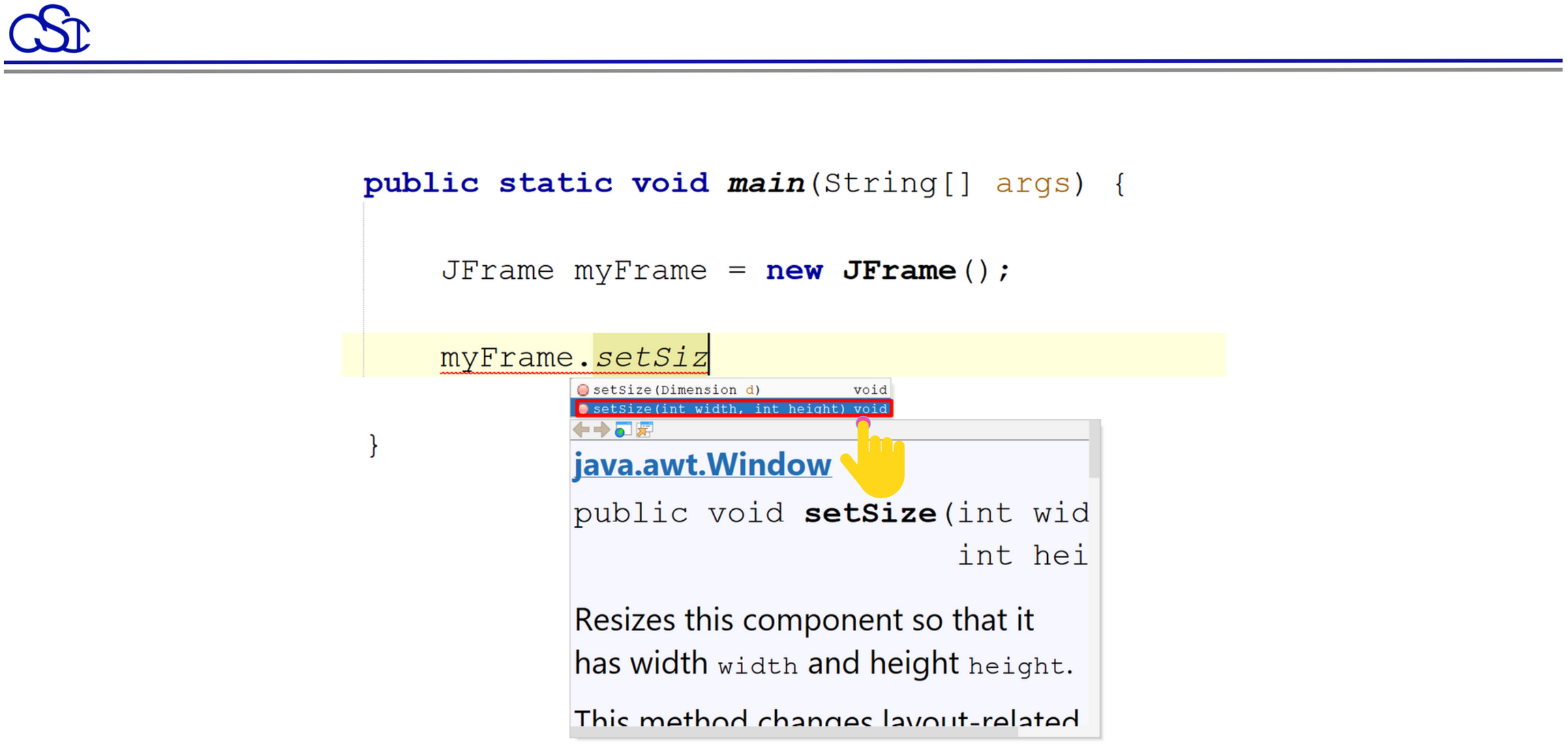
Marzo 2023

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

    JFrame myFrame = new JFrame();



}
```

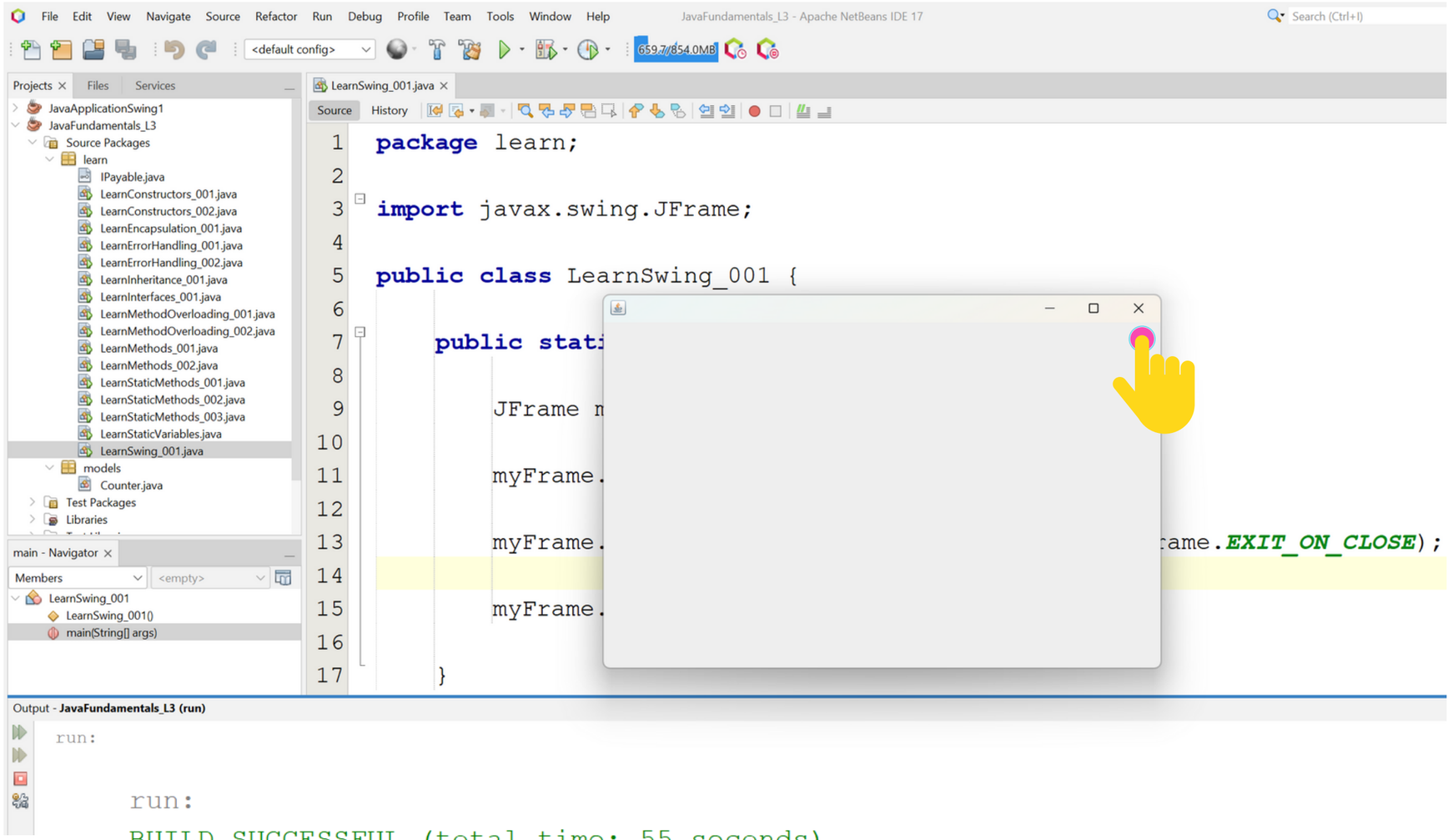

5
6
8
9
10
11
public static void main(String[] args) {
JFrame myFrame = new JFrame();
}
Add import for javax.swing.JFrame
Create class "JFrame" in package learn (Source Packages)
Create class "JFrame" in learn.LearnSwing_001
Remove unused "myFrame"
Split into declaration and assignment

```java
import javax.swing.JFrame;

public class LearnSwing_001 {

    public static void main(String[] args) {

        JFrame myFrame = new JFrame();

    }

}
```

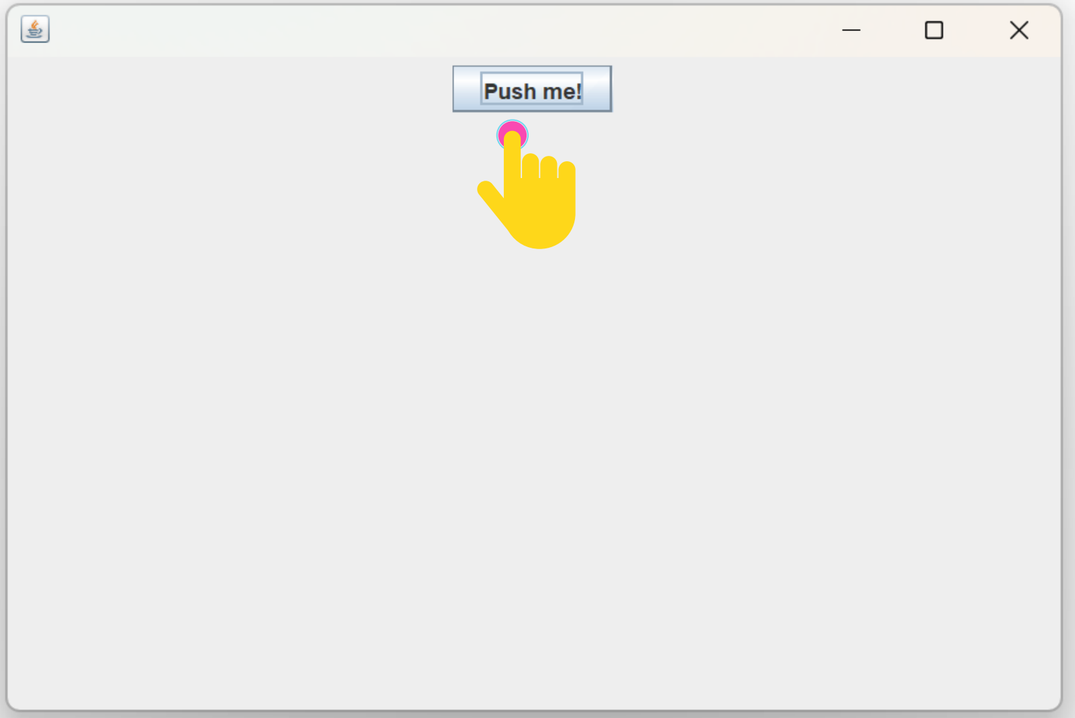

public static void main(String[] args) {
JFrame myFrame = new JFrame();
myFrame.setSiz
}
setSize(Dimension d) void
setSize(int width, int height) void
java.awt.Window
public void setSize(int wid
int hei
Resizes this component so that it
has width width and height height.
This method changes layout-related

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

    JFrame myFrame = new JFrame();

    myFrame.setSize(width: 600, height: 400);

}
```

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

    JFrame myFrame = new JFrame();

    myFrame.setSize(width: 600, height: 400);

    myFrame.setDefaultCloseOperation(operation: JFrame.EXIT_ON_CLOSE);

    myFrame.setVisible(b: true);

}
```

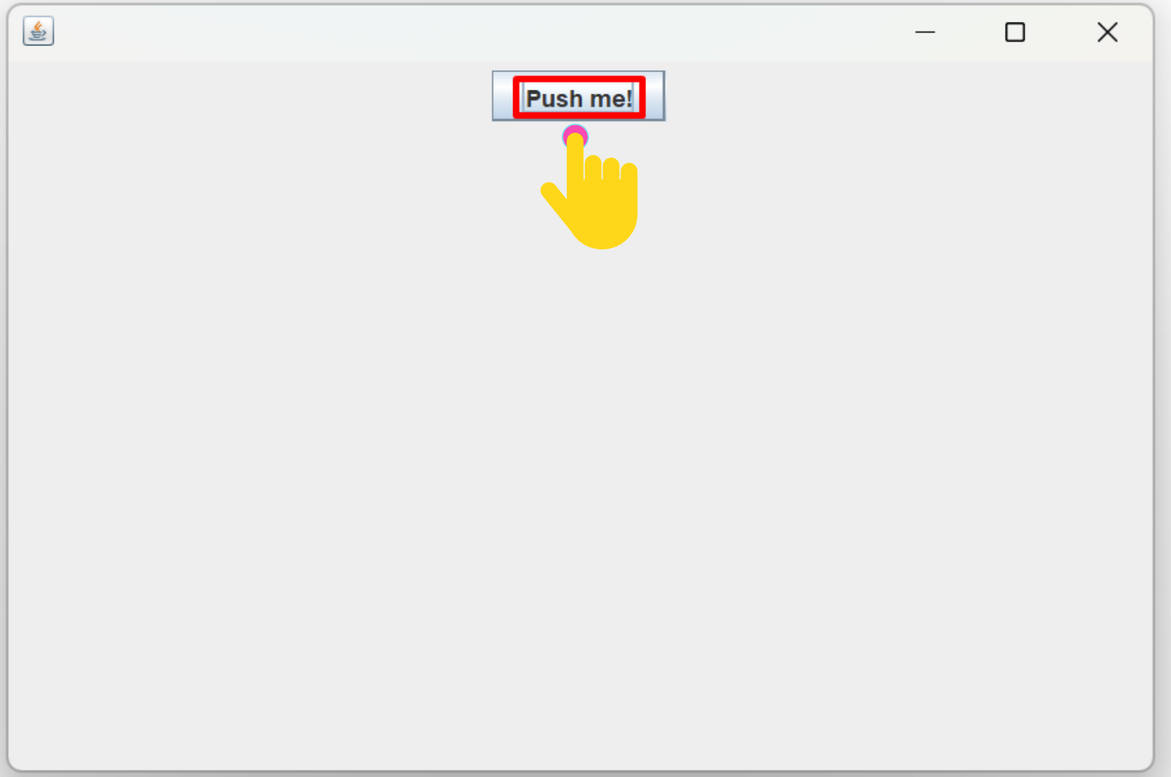

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
JavaFundamentals_L3 - Apache NetBeans IDE 17
Search (Ctrl+I)
<default config>
659.7/854.0MB
Projects
Files
Services
JavaApplicationSwing1
JavaFundamentals_L3
Source Packages
learn
IPayable.java
LearnConstructors_001.java
LearnConstructors_002.java
LearnEncapsulation_001.java
LearnErrorHandling_001.java
LearnErrorHandling_002.java
LearnInheritance_001.java
LearnInterfaces_001.java
LearnMethodOverloading_001.java
LearnMethodOverloading_002.java
LearnMethods_001.java
LearnMethods_002.java
LearnStaticMethods_001.java
LearnStaticMethods_002.java
LearnStaticMethods_003.java
LearnStaticVariables.java
LearnSwing_001.java
models
Counter.java
Test Packages
Libraries
main - Navigator
Members
<empty>
LearnSwing_001
LearnSwing_001()
main(String[] args)
LearnSwing_001.java
Source
History
1 package learn;
2
3 import javax.swing.JFrame;
4
5 public class LearnSwing_001 {
6
7 public stati
8
9 JFrame m
10
11 myFrame.
12
13 myFrame.
14
15 myFrame.
16
17 }
rame.EXIT_ON_CLOSE);
Output - JavaFundamentals_L3 (run)
run:
run:
BUILD SUCCESSFUL (total time: 55 seconds)

```java
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JPanel;

public class LearnSwing_002 {

    public static void main(String[] args) {

        JFrame myFrame = new JFrame();

        JPanel myPanel = new JPanel();

        JButton myButton = new JButton(text: "Push me!");

        myPanel.add(comp: myButton);

        myFrame.add(comp: myPanel);

        myFrame.setSize(width: 600, height:400);

        myFrame.setDefaultCloseOperation(operation: JFrame.EXIT_ON_CLOSE);

        myFrame.setVisible(b: true);

    }

}
```

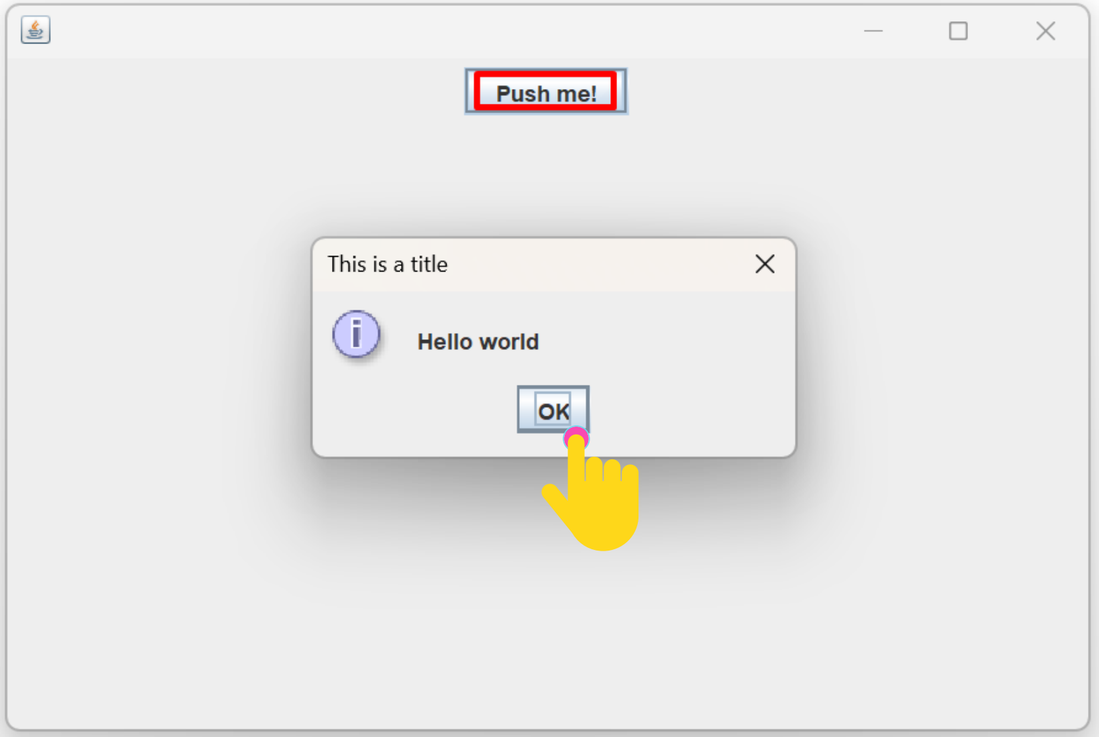

Push me!

```
JPanel myPanel = new JPanel();

JButton myButton = new JButton(text: "Push me!");

myButton.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {

        System.out.println(x: "Hello world :D");

    }

});

myPanel.add(comp: myButton);
```

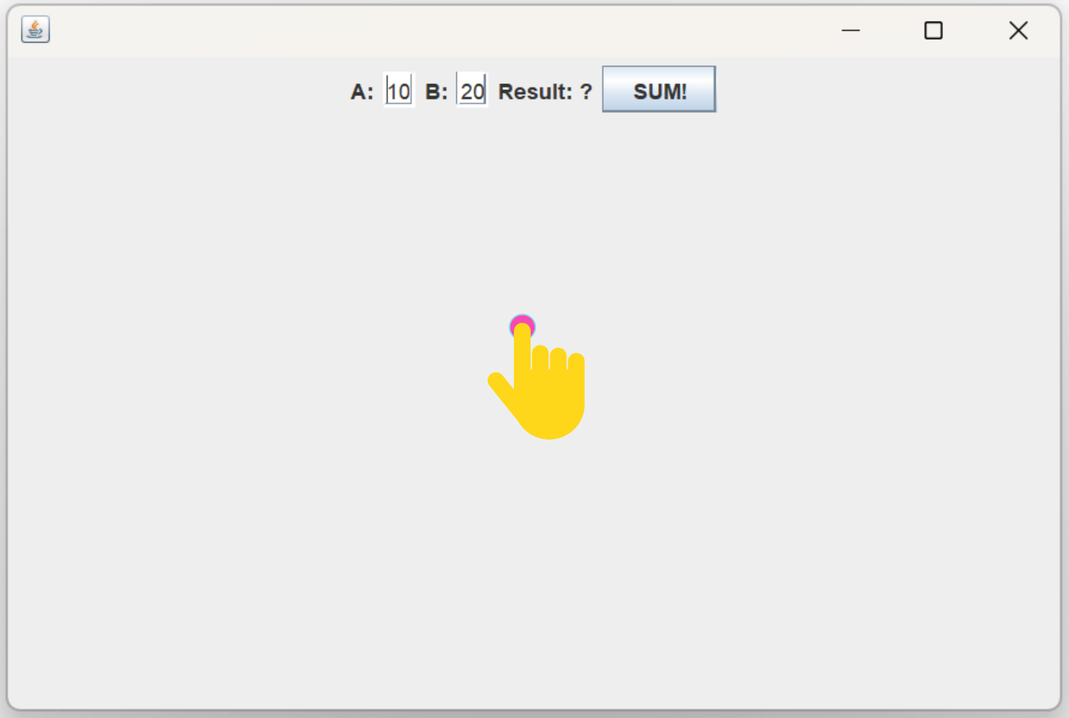
```
run:
Hello world :D
Hello world :D
Hello world :D
Hello world :D
```



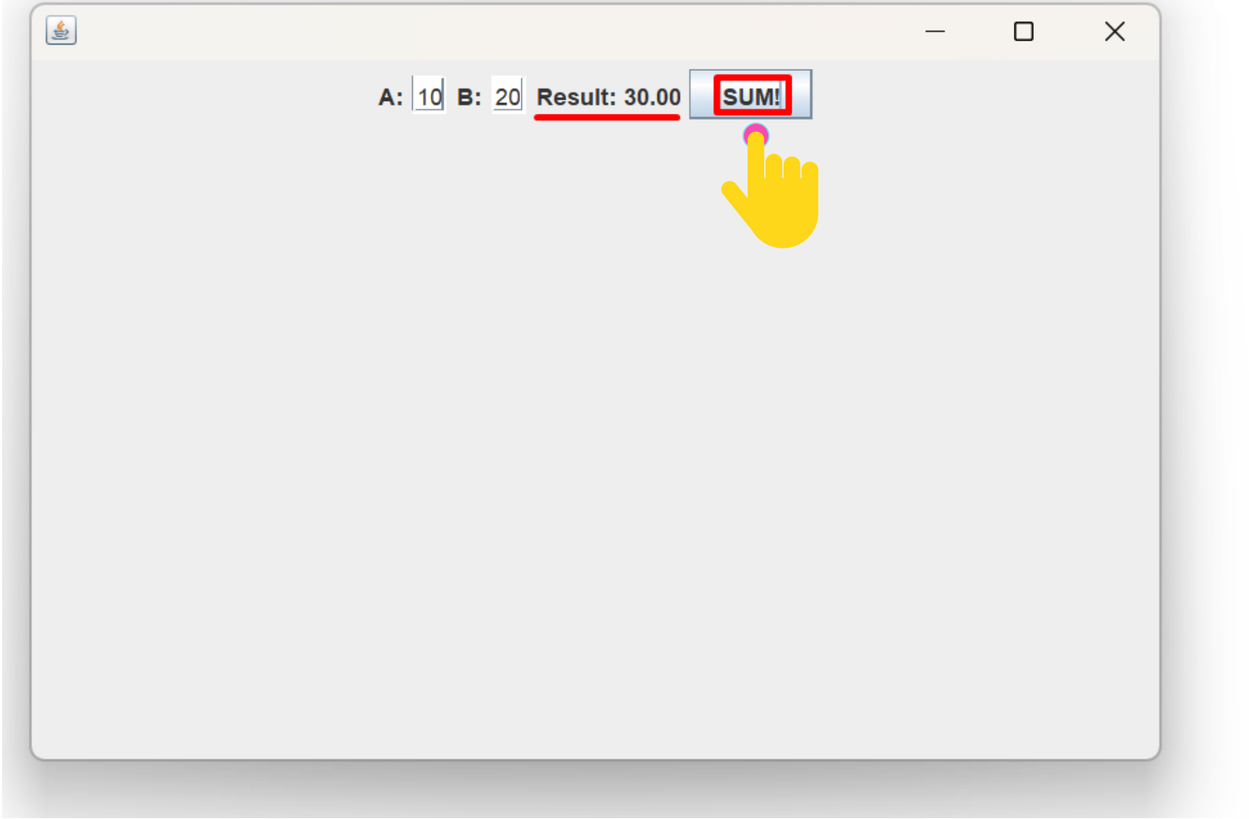
```
myButton.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {

        JOptionPane.showMessageDialog(parentComponent:myButton,
                message:"Hello world",
                title: "This is a title",
                messageType: JOptionPane.INFORMATION_MESSAGE
        );

    }

});
```

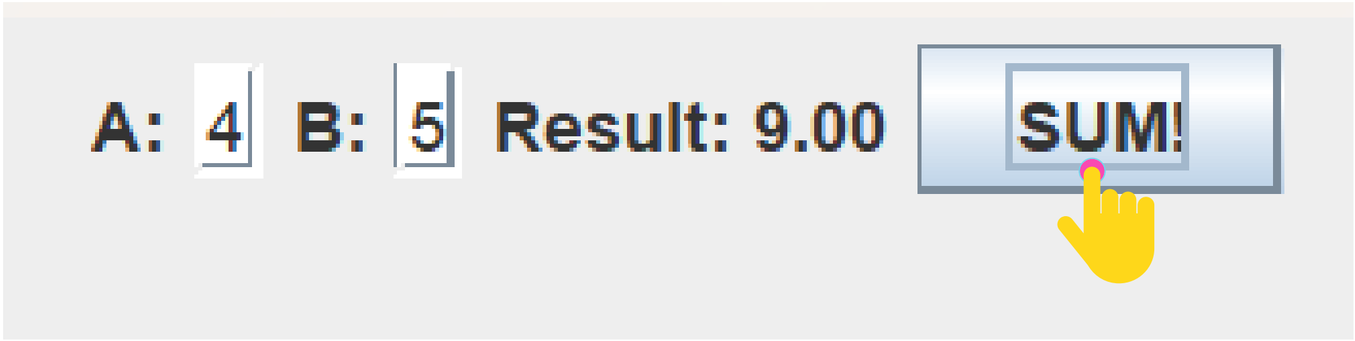

Push me!
This is a title
Hello world
OK

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

    JFrame myFrame = new JFrame();

    JPanel myPanel = new JPanel();

    JLabel input1Label = new JLabel(text: "A:");

    JTextField input1TextField = new JTextField(text: "10");

    JLabel input2Label = new JLabel(text: "B:");

    JTextField input2TextField = new JTextField(text: "20");

    JLabel resultLabel = new JLabel(text: "Result: ?");

    JButton sumButton = new JButton(text: "SUM!");

    myPanel.add(comp: input1Label);
    myPanel.add(comp: input1TextField);
    myPanel.add(comp: input2Label);
    myPanel.add(comp: input2TextField);
    myPanel.add(comp: resultLabel);
    myPanel.add(comp: sumButton);

    myFrame.add(comp: myPanel);

    myFrame.setSize(width: 600, height: 400);

    myFrame.setDefaultCloseOperation(operation: JFrame.EXIT_ON_CLOSE);

    myFrame.setVisible(b: true);

}
```

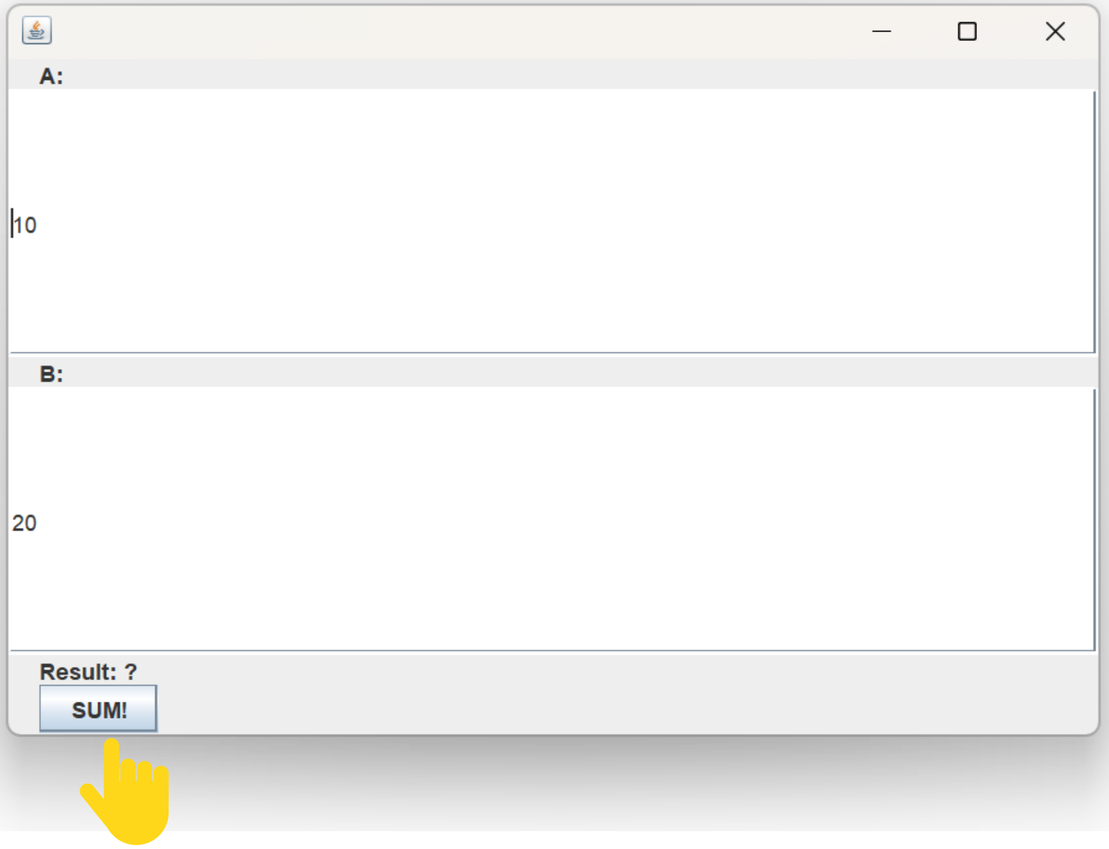

A: 10 B: 20 Result: ?
SUM!

```
JLabel resultLabel = new JLabel(text: "Result: ?");

JButton sumButton = new JButton(text: "SUM!");

sumButton.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {

        double input1Value = Double.valueOf(s: input1TextField.getText());
        double input2Value = Double.valueOf(s: input2TextField.getText());

        double sum = input1Value + input2Value;

        resultLabel.setText(
                text: String.format(format: "Result: %.2f", args: sum)
        );

    }

});

myPanel.add(comp: input1Label);
myPanel.add(comp: input1TextField);
```

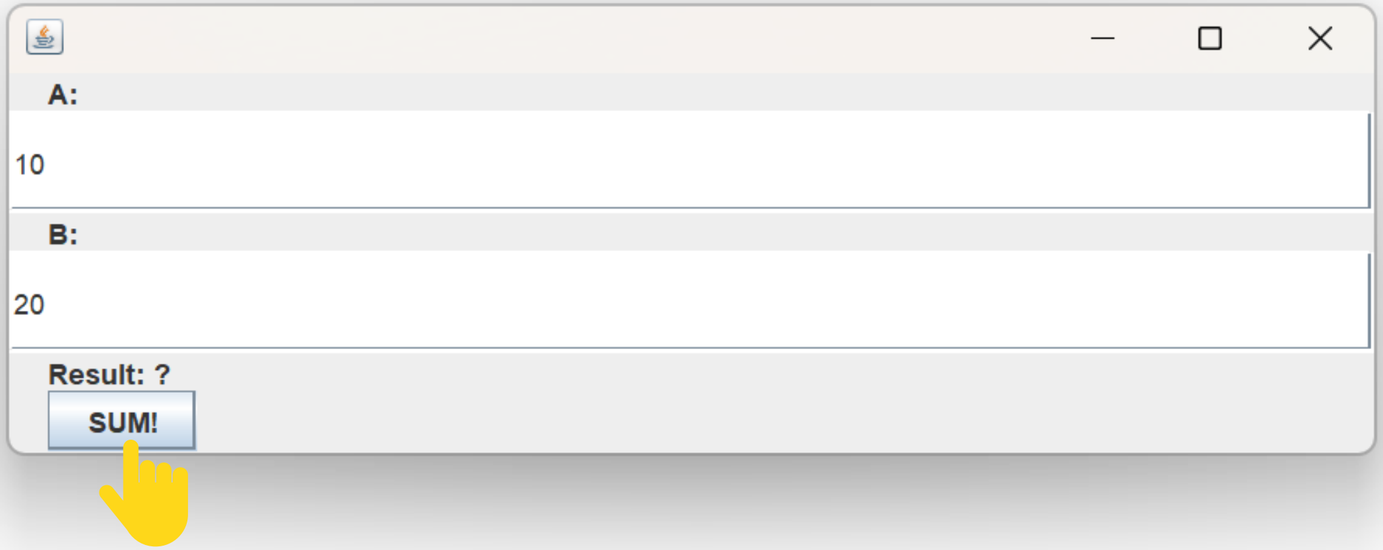

A: 10 B: 20 Result: 30.00
SUM!


A: 4 B: 5 Result: 9.00
SUM!

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

    JFrame myFrame = new JFrame();

    JPanel myPanel = new JPanel();

    myPanel.setLayout(new BoxLayout(target: myPanel, axis: BoxLayout.Y_AXIS));

    JLabel input1Label = new JLabel(text: "A:");

    JTextField input1TextField = new JTextField(text: "10");

    JLabel input2Label = new JLabel(text: "B:");

    JTextField input2TextField = new JTextField(text: "20");
```


A:
10
B:
20
Result: ?
SUM!

```
        myPanel.add(comp: input1Label);
        myPanel.add(comp: input1TextField);
        myPanel.add(comp: input2Label);
        myPanel.add(comp: input2TextField);
        myPanel.add(comp: resultLabel);
        myPanel.add(comp: sumButton);

        myFrame.add(comp: myPanel);

        myFrame.setSize(width: 600, height: 200);

        myFrame.setDefaultCloseOperation(operation:JFrame.EXIT_ON_CLOSE);

        myFrame.setVisible(b: true);

    }
```


A:
10
B:
20
Result: ?
SUM!