

OOM GUI ASSIGNMENT-1

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Q1) Try out create an application which looks like the picture to the right, without using the GUI Builder.

Solution:)

Code:

```
package first;
import javax.swing.*;
import java.awt.*;

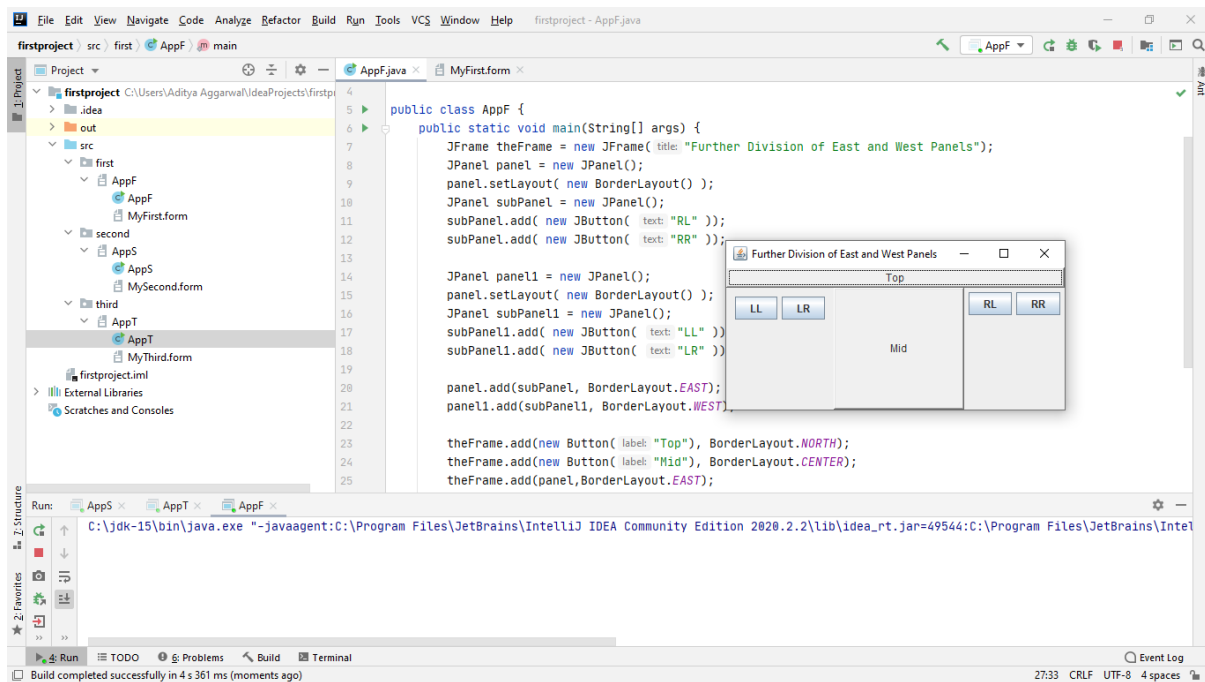
public class AppF {
    public static void main(String[] args) {
        JFrame theFrame = new JFrame("Further Division of East and West Panels");
        JPanel panel = new JPanel();
        panel.setLayout( new BorderLayout() );
        JPanel subPanel = new JPanel();
        subPanel.add( new JButton( "RL" ) );
        subPanel.add( new JButton( "RR" ) );

        JPanel panell1 = new JPanel();
        panel.setLayout( new BorderLayout() );
        JPanel subPanell1 = new JPanel();
        subPanell1.add( new JButton( "LL" ) );
        subPanell1.add( new JButton( "LR" ) );

        panel.add(subPanel, BorderLayout.EAST);
        panell1.add(subPanell1, BorderLayout.WEST);

        theFrame.add(new Button("Top"), BorderLayout.NORTH);
        theFrame.add(new Button("Mid"), BorderLayout.CENTER);
        theFrame.add(panel, BorderLayout.EAST);
        theFrame.add(panell1, BorderLayout.WEST);
        theFrame.setSize(400, 200);
        theFrame.setVisible(true);
    }
}
```

Output screenshot:



Q2) Try out create an applica-tion which looks like the picture to the right, without using the GUI Builder.

Solution:

Code:

```
package second;
```

```
import javax.swing.*;
import java.awt.*;
```

```
public class AppS {
    public static void main(String[] args) {
        JFrame theFrame = new JFrame("Ice Cream Store");
        JPanel thePanel1 = new JPanel();
        JPanel thePanel2 = new JPanel();
        JPanel thePanel3 = new JPanel();

        JRadioButton Vanilla = new JRadioButton("Vanilla");
        JRadioButton Strawberry = new JRadioButton("Strawberry");
        JRadioButton Mixed = new JRadioButton("Mixed");

        ButtonGroup theGroup1 = new ButtonGroup();
        theGroup1.add(Vanilla);
```

```

theGroup1.add(Strawberry);
theGroup1.add(Mixed);

thePanel1.add(Vanilla);
thePanel1.add(Strawberry);
thePanel1.add(Mixed);

JLabel theLabel = new JLabel("BUY");
theLabel.setFont(new Font("Calibri (Body)", Font.BOLD, 40));
thePanel2.add(theLabel);

JCheckBox Chocolate = new JCheckBox("Chocolate sprinkle");
JCheckBox Cream = new JCheckBox("Cream");
JCheckBox Jam = new JCheckBox("Jam");

ButtonGroup theGroup2 = new ButtonGroup();
theGroup2.add(Chocolate);
theGroup2.add(Cream);
theGroup2.add(Jam);

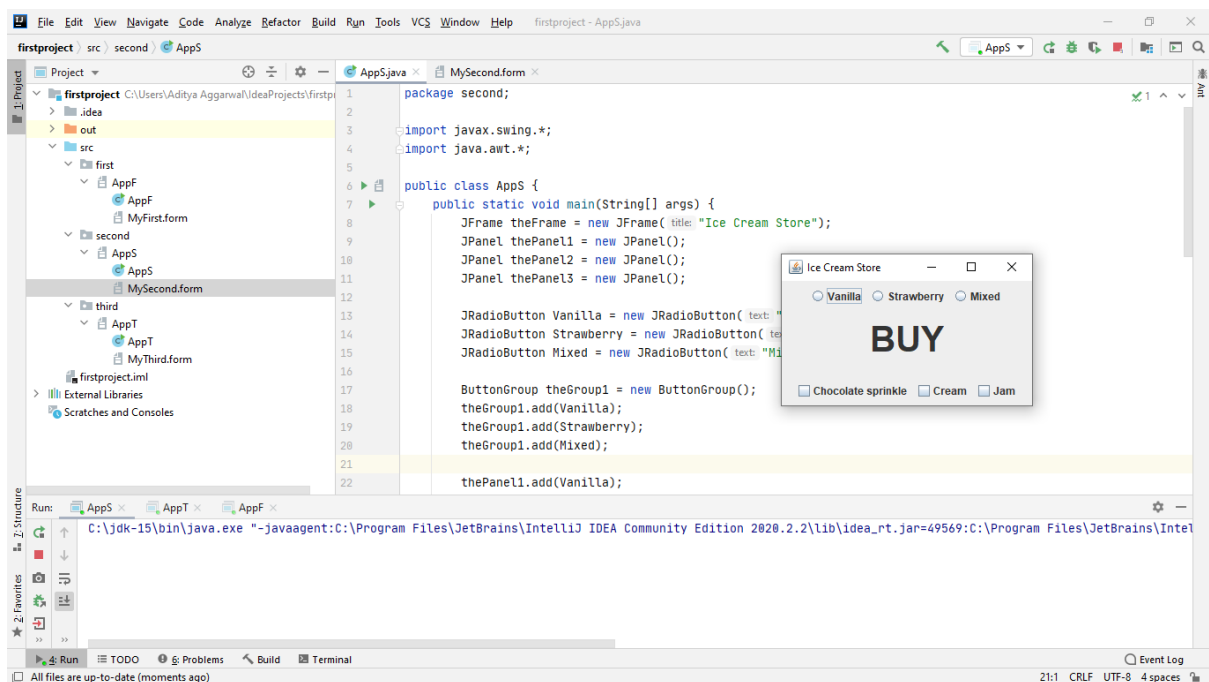
thePanel3.add(Chocolate);
thePanel3.add(Cream);
thePanel3.add(Jam);

theFrame.add(thePanel1, BorderLayout.NORTH);
theFrame.add(thePanel2, BorderLayout.CENTER);
theFrame.add(thePanel3, BorderLayout.SOUTH);

theFrame.setSize(300, 180);
theFrame.setVisible(true);
}
}

```

Output Screenshot:



Q3) Try out create an application which looks like the picture to the right, without using the GUI Builder. Create event listeners for the buttons, that print the texts:

- **"Brrr" for Arctic and Antarctic**
- **"Puhh" for America and Asia**
- **"Wet!" for Atlantic**

Solution:

Code:

```
package third;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;

public class AppT {

    public static void main(String[] args){
        JFrame theFrame = new JFrame("The A World...");

        JPanel thePanel = new JPanel();
        thePanel.setLayout(new BorderLayout());
        final JTextField theText=new JTextField();
        Button b1 = new Button("Arctic");
        thePanel.add(b1,BorderLayout.NORTH);
        b1.addActionListener(new ActionListener(){
            public void actionPerformed(ActionEvent e){
                System.out.println("Brrr");
            }
        });
        Button b2 = new Button("Atlantic");
        thePanel.add(b2,BorderLayout.CENTER);
        b2.addActionListener(new ActionListener(){
            public void actionPerformed(ActionEvent e){
                System.out.println("Wet!");
            }
        });
        Button b3 = new Button("Antarctic");
        thePanel.add(b3,BorderLayout.SOUTH);
        b3.addActionListener(new ActionListener(){
            public void actionPerformed(ActionEvent e){
                System.out.println("Brrr");
            }
        });
        Button b4 = new Button("America");
        thePanel.add(b4,BorderLayout.WEST);
        b4.addActionListener(new ActionListener(){
            public void actionPerformed(ActionEvent e){
                System.out.println("Puhh");
            }
        })
    }
}
```

```

});
Button b5 = new Button("Asia");
thePanel.add(b5, BorderLayout.EAST);
b5.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        System.out.println("Puhh");
    }
});

theFrame.add(thePanel);
theFrame.setSize(300,200);
theFrame.setVisible(true);
}
}

```

Output Screenshot:

