TTTK1143

Rekabentuk aturcara dan penyelesaian masalah

Topic

Graphical User Interface (GUI)

Tutorial 5

Section B

Question 2

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

public class Question2 extends JFrame implements ActionListener{
        private JPanel p1,p2,p3;
        private JTextField length,width;
        private JLabel l1,l2,l3,l4;

        public Question2() {
                Container pane=getContentPane();
                pane.setLayout(new GridLayout(3,1));

                p1=new JPanel();
                p1.setLayout(new GridLayout(1,2));
                p2=new JPanel();
                p2.setLayout(new GridLayout(1,2));
                p3=new JPanel();
                p3.setLayout(new FlowLayout(FlowLayout.CENTER));

                length=new JTextField(20);
                l1=new JLabel("Enter the length:",SwingConstants.RIGHT);
                p1.add(l1);
                p1.add(length);
                pane.add(p1);

                width=new JTextField(20);
                l2=new JLabel("Enter the width:",SwingConstants.RIGHT);
                p2.add(l2);
                p2.add(width);
                pane.add(p2);

                length.addActionListener(this);
                width.addActionListener(this);

                l3=new JLabel("Area of the rectangle:");
                p3.add(l3);
                l4=new JLabel(" ");
                p3.add(l4);
                pane.add(p3);

        }
        public void actionPerformed(ActionEvent e) {
                Object obj=e.getSource();
                String input=length.getText();
                double length=Double.valueOf(input);

                input=width.getText();
                double width=Double.valueOf(input);

                l4.setText((width*length)+"");
```

```java
        }


        public static void main(String [] args) {
                Question2 frame = new Question2();//Jframe
                frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                frame.setTitle("Rectangle");
                frame.setSize(300, 100);
                frame.setVisible(true);
        }
}
```

Output