CT\_2021\_001 Nirmal B.A.C.C LAB\_7

Q\_01

Code:

package Q\_01;  
  
  
import javax.swing.\*;  
  
public class Q1 {  
 public static void main(String[] args) {  
 int num1 = Integer.*parseInt*(JOptionPane.*showInputDialog*(null, "Enter first number:"));  
 int num2 = Integer.*parseInt*(JOptionPane.*showInputDialog*(null, "Enter second number:"));  
 int num3 = Integer.*parseInt*(JOptionPane.*showInputDialog*(null, "Enter third number:"));  
 int sum = num1 + num2 + num3;  
  
 JOptionPane.*showMessageDialog*(null, "The sum is: " + sum);  
 }  
}

output:

A screenshot of a computer error

AI-generated content may be incorrect.

Q\_02

Code:

package Q\_02;  
  
  
import javax.swing.\*;  
 import java.awt.\*;  
  
class MyFrame extends JFrame {  
 public MyFrame() {  
 setSize(400, 450);  
 setDefaultCloseOperation(*EXIT\_ON\_CLOSE*);  
 getContentPane().setBackground(Color.*BLUE*);  
 }  
}  
  
public class Q2 {  
 public static void main(String[] args) {  
 MyFrame frame = new MyFrame();  
 frame.setVisible(true);  
 }  
}

output:

A screenshot of a computer

AI-generated content may be incorrect.

Q\_03

Code:

package Q\_03;  
  
import javax.swing.\*;  
import java.awt.event.\*;  
  
class MyFrame extends JFrame implements ActionListener {  
 JButton button;  
  
 public MyFrame() {  
 setSize(300, 200);  
 setDefaultCloseOperation(*EXIT\_ON\_CLOSE*);  
 button = new JButton("Click Me");  
 button.addActionListener(this);  
 add(button);  
 }  
  
 public void actionPerformed(ActionEvent e) {  
 JOptionPane.*showMessageDialog*(this, "You clicked!");  
 }  
}  
  
public class Q3 {  
 public static void main(String[] args) {  
 MyFrame frame = new MyFrame();  
 frame.setVisible(true);  
 }  
}

output:

A screenshot of a computer screen

AI-generated content may be incorrect.

Q\_04

Code:

package Q\_04;  
  
  
import javax.swing.\*;  
 import java.awt.event.\*;  
  
class MyFrame extends JFrame implements ActionListener {  
 JTextField textField;  
 JButton button;  
  
 public MyFrame() {  
 setSize(300, 150);  
 setLayout(null);  
 setDefaultCloseOperation(*EXIT\_ON\_CLOSE*);  
  
 textField = new JTextField();  
 textField.setBounds(50, 20, 200, 25);  
 add(textField);  
  
 button = new JButton("Set Title");  
 button.setBounds(90, 60, 120, 30);  
 button.addActionListener(this);  
 add(button);  
 }  
  
 public void actionPerformed(ActionEvent e) {  
 setTitle(textField.getText());  
 }  
}  
  
public class Q4 {  
 public static void main(String[] args) {  
 MyFrame frame = new MyFrame();  
 frame.setVisible(true);  
 }  
}

output:

A screenshot of a computer

AI-generated content may be incorrect.

Q\_05

Code:

package Q\_05;  
  
import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.\*;  
  
class MyFrame extends JFrame implements ActionListener {  
 JButton button;  
 boolean isOn = false;  
  
 public MyFrame() {  
 setSize(300, 200);  
 setDefaultCloseOperation(*EXIT\_ON\_CLOSE*);  
 getContentPane().setBackground(Color.*GREEN*);  
 setLayout(new FlowLayout());  
  
 button = new JButton("OFF");  
 button.addActionListener(this);  
 add(button);  
 }  
  
 public void actionPerformed(ActionEvent e) {  
 if (isOn) {  
 getContentPane().setBackground(Color.*GREEN*);  
 button.setText("OFF");  
 } else {  
 getContentPane().setBackground(Color.*RED*);  
 button.setText("ON");  
 }  
 isOn = !isOn;  
 }  
}  
  
public class Q5 {  
 public static void main(String[] args) {  
 MyFrame frame = new MyFrame();  
 frame.setVisible(true);  
 }  
}

output:

A computer screen shot of a green screen

AI-generated content may be incorrect.