A Project Report on

------ Quiz Exam --------

Submitted

By

1. PLS Praneeth	190340065
2. V Sai Kalyan	190340090

Branch: ECE
Year/Sem/Section: I-year / II-SEM / B-SEC

Develop a quiz exam. The quiz should consist of 5 questions whose answers should be saved in the backend. Make sure that only one question is displayed at a time on the screen. Add previous and next buttons for every question. Add a submit button for the last question. After clicking the submit button, display your score on the screen.

CODE :

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

class QuizExam
extends JFrame
implements ActionListener {
    JLabel l;
      JLabel title;
    JRadioButton jb[] = new JRadioButton[5];
    JButton b1, b2;
    ButtonGroup bg;
    int count = 0, current = 0, x = 1, y = 1, now = 0, p=0;
    int m[] = new int[10];

    QuizExam(String s) {
        super(s);
        title = new JLabel("Quiz Exam");
            title.setFont(new Font("Arial", Font.PLAIN, 30));
        title.setSize(300, 30);
            title.setLocation(30, 10);
        add(title);
        l = new JLabel();
        add(l);
        bg = new ButtonGroup();
        for (int i = 0; i < 5; i++) {
        jb[i] = new JRadioButton();
        add(jb[i]);
        bg.add(jb[i]);
```

```java
        }
        b1 = new JButton("Next");
        b2 = new JButton("previous");
        b1.addActionListener(this);
        b2.addActionListener(this);
        add(b1);
        add(b2);
        set();
        l.setBounds(30, 50, 450, 20);
        jb[0].setBounds(50, 80, 100, 20);
        jb[1].setBounds(50, 110, 100, 20);
        jb[2].setBounds(50, 140, 100, 20);
        jb[3].setBounds(50, 170, 100, 20);
        b1.setBounds(100, 240, 100, 30);
        b2.setBounds(270, 240, 100, 30);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLayout(null);
        setLocation(250, 100);
        setVisible(true);
        setSize(600, 350);
    }

    public void actionPerformed(ActionEvent e) {
        if (e.getSource() == b1) {
            if (check())
                count = count + 1;
                current++;
                set();
            if (current == 4) {
                b1.setEnabled(false);
                b2.setText("Result");
            }
        }

        else if (e.getSource() == b2) {
            if (check())
                count = count + 1;
                 current--;
                 set();
            if (current == 0) {

                 b2.setEnabled(false);
            }
        }
```

```java
    if (e.getActionCommand().equals("Result")) {
        if (check())
        count = count + 1;
        current++;
        JoptionPane.showMessageDialog(this, "correct ans=" + count);
        System.exit(0);
    }
}
void set() {
    jb[4].setSelected(true);
    if (current == 0) {
        l.setText("1: What is colour of Apple?");
        jb[0].setText("Orange");
        jb[1].setText("Red");
        jb[2].setText("Yellow");
        jb[3].setText("Blue");
    }
    if (current == 1) {
        l.setText("2: How many legs does a Dog have?");
        jb[0].setText("Four");
        jb[1].setText("Three");
        jb[2].setText("Two");
        jb[3].setText("Five");
    }
    if (current == 2) {
        l.setText("3: What is colour of Banana?");
        jb[0].setText("Orange");
        jb[1].setText("Red");
        jb[2].setText("Yellow");
        jb[3].setText("Blue");
    }
    if (current == 3) {
        l.setText("4: Who is CEO of Microsoft?");
        jb[0].setText("Mark");
        jb[1].setText("Larry Page");
        jb[2].setText("Sundar Pichai");
        jb[3].setText("Satya Nadella");
    }
    if (current == 4) {
        l.setText("5: How many Legs does Man have?");
        jb[0].setText("Four");
        jb[1].setText("Three");
        jb[2].setText("Two");
        jb[3].setText("Five");
```

```java
            }

        l.setBounds(30, 40, 450, 20);
        for (int i = 0, j = 0; i <= 90; i += 30, j++)
            jb[j].setBounds(50, 80 + i, 200, 20);
    }

    oolean check() {
        if (current == 0)
            return (jb[1].isSelected());
        if (current == 1)
            return (jb[0].isSelected());
        if (current == 2)
            return (jb[2].isSelected());
        if (current == 3)
            return (jb[3].isSelected());
        if (current == 4)
            return (jb[2].isSelected());

        return false;
    }

    public static void main(String s[]) {
        new QuizExam("Quiz Exam");
    }
}
```
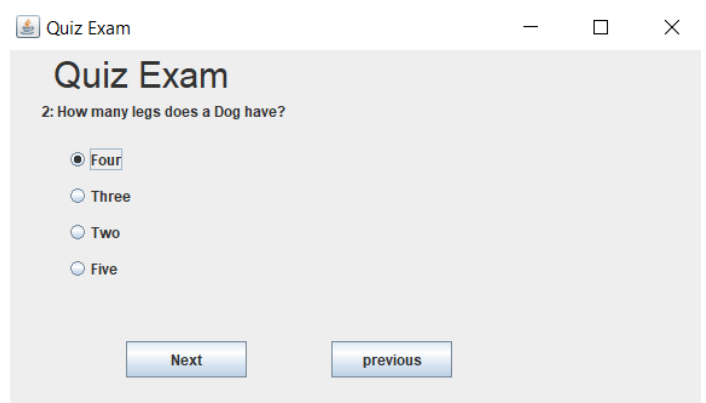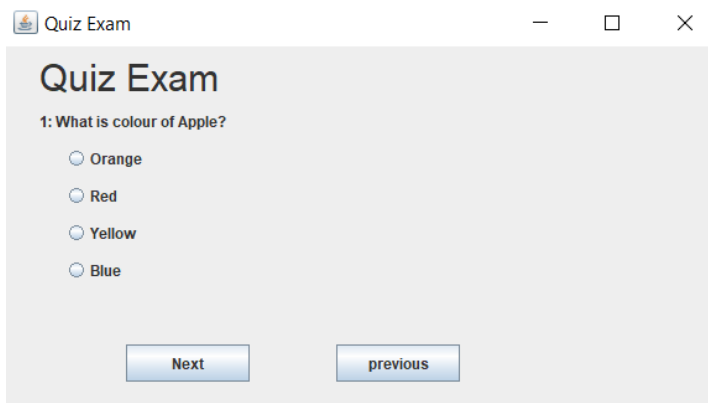
OUTPUT :

Quiz Exam

3: What is colour of Banana?

- ○ Orange
- ○ Red
- ● Yellow
- ○ Blue

[Next]   [previous]

Quiz Exam

4: Who is CEO of Microsoft?

- ○ Mark
- ● Larry Page
- ○ Sundar Pichai
- ○ Satya Nadella

[Next]   [previous]

Quiz Exam

5: How many Legs does Man have?

- ○ Four
- ○ Three
- ● Two
- ○ Five

[Next]   [Result]

Quiz Exam

4: Who is CEO of Microsoft?

- ○ Mark
- ○ Larry Page
- ○ Sundar Pichai
- ○ Satya Nadella

Message

ⓘ correct ans=3

[OK]

[Next]   [Result]

-- THANK YOU --