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Subject:- Advanced Java Programming Lab

Experiment no.6

Aim:- Implementation of Event Handling using Swing/AWT.

Program A):-

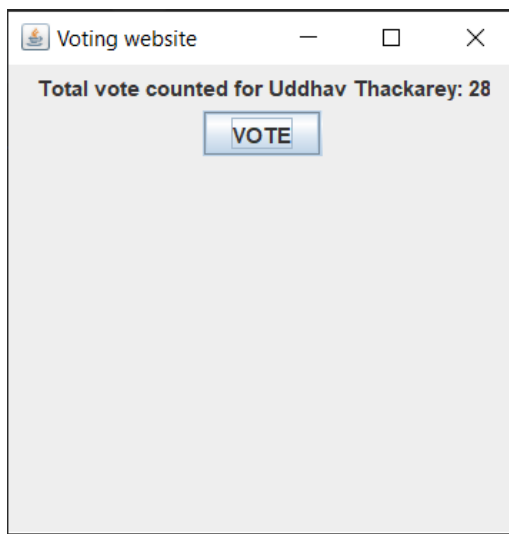
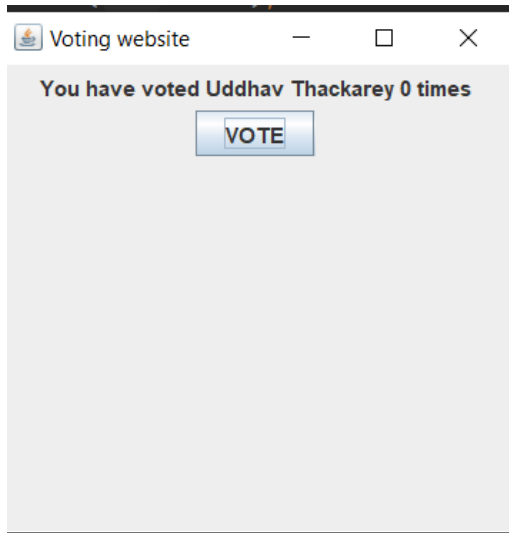
Input:-

```
package com.AJPEperiments;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class event extends JFrame implements ActionListener {
    int count = 0;
    JLabel l1;
    event(){
        setLayout(new FlowLayout());
        l1 = new JLabel("You have voted Uddhav Thackarey 0 times");
        JButton b5 = new JButton("VOTE");
        b5.addActionListener(this);
        add(l1);
        add(b5);
    }
    public void actionPerformed(ActionEvent e){
        count++;
        l1.setText("Total vote counted for Uddhav Thackarey: "+count);
    }

    public static void main(String[] args) {
        event e = new event();
        e.setTitle("Voting website");
        e.setBounds(300,300,300,300);
        e.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        e.setVisible(true);
    }
}
```

Output:-



Program B):-

Input:-

```
package com.AJPExperiments;
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class event3 extends JFrame implements ActionListener{
    JRadioButton rb1,rb2,rb3;
```

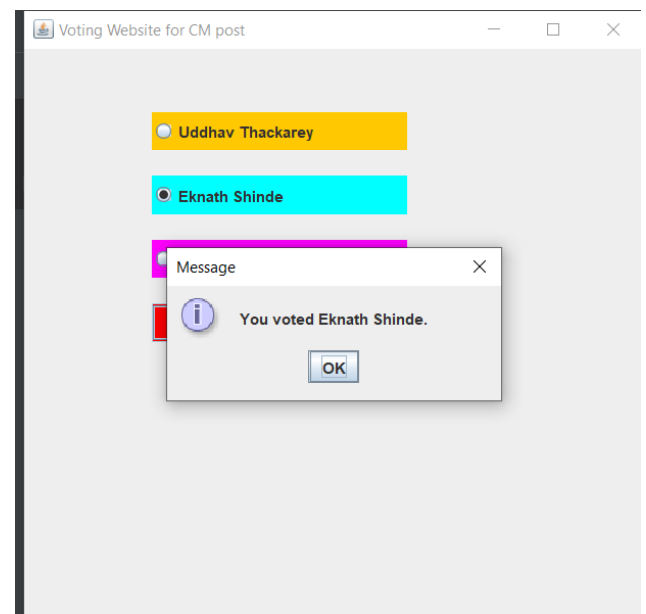
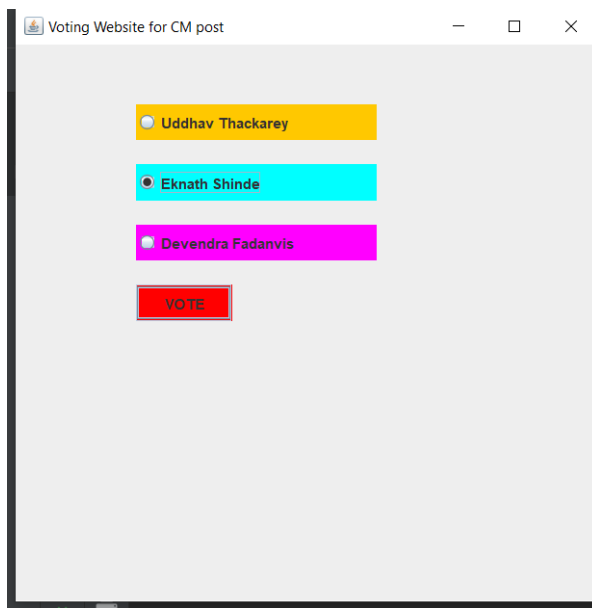
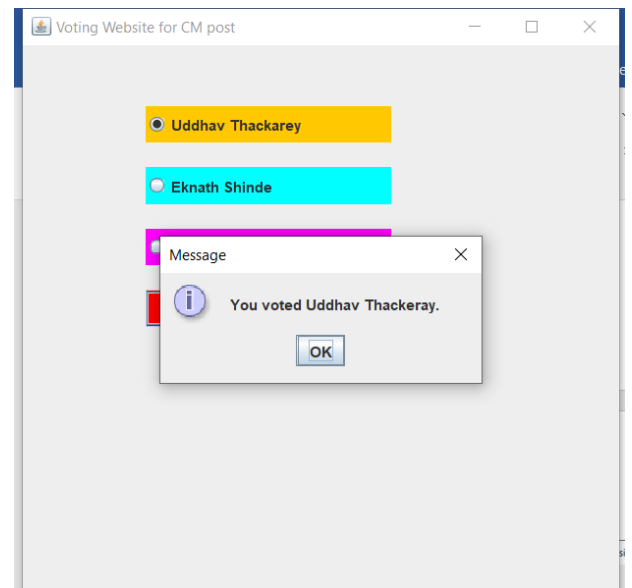
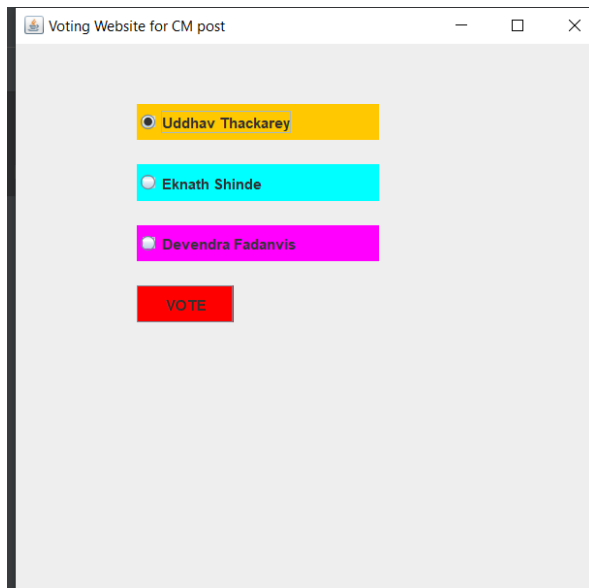
```

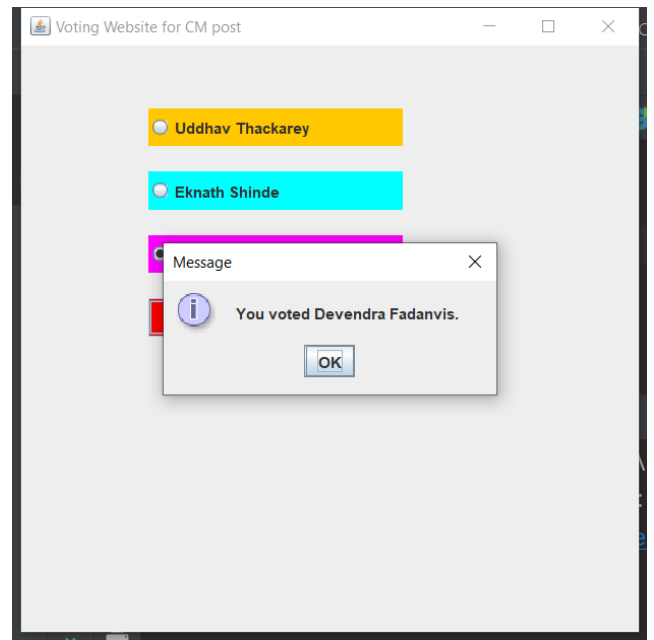
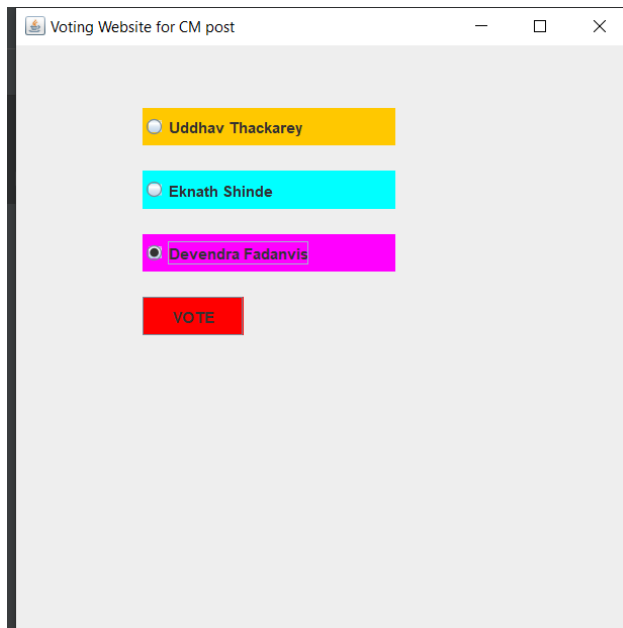
JButton b;
event3(){
    rb1 = new JRadioButton("Uddhav Thackarey");
    rb1.setBounds(100,50,200,30);
    rb1.setBackground(Color.orange);
    rb2 = new JRadioButton("Eknath Shinde");
    rb2.setBounds(100,100,200,30);
    rb2.setBackground(Color.CYAN);
    rb3 = new JRadioButton("Devendra Fadanvis");
    rb3.setBounds(100,150,200,30);
    rb3.setBackground(Color.MAGENTA);
    ButtonGroup bg = new ButtonGroup();
    JButton b4 = new JButton(new ImageIcon("C:\\Users\\manis\\Downloads\\new-1.jpg"));
    b4.setBackground(Color.orange);
    b4.setBounds(10,20,10,10);
    bg.add(rb1);bg.add(rb2);bg.add(rb3);
    b = new JButton("VOTE");
    b.setBounds(100,200,80,30);
    b.setBackground(Color.red);
    b.addActionListener(this);
    add(rb1);add(rb2);add(rb3);add(b);
    setTitle("Voting Website for CM post");
    setSize(500,500);
    setLayout(null);
    setVisible(true);
}
public void actionPerformed(ActionEvent e){
    if(rb1.isSelected()){
        JOptionPane.showMessageDialog(this,"You voted Uddhav Thackeray.");
    }
    if (rb2.isSelected()){
        JOptionPane.showMessageDialog(this,"You voted Eknath Shinde.");
    }
    if (rb3.isSelected()){
        JOptionPane.showMessageDialog(this,"You voted Devendra Fadanvis.");
    }
}

public static void main(String[] args) {
    new event3();
}
}

```

Output:-





Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)