

```

package countries;
import javax.swing.*.*;
import java.awt.*.*;
import java.awt.event.*;
import java.util.Random;
public class Countries implements ActionListener{
private static ImageIcon pic1,pic2,pic3,pic4,pic5,pic6,pic7,pic8,pic9,pic10,pic,temp2;
private static JLabel templabel,templabel2,label[],label2[],label3,label4;
private static JButton b1;
private static JComboBox cb;
private static Random r2 = new Random();
private static JFrame frame;
private static JTextField input;
private static String[]
b={"ΑΥΣΤΡΙΑ","ΒΕΛΓΙΟ","ΚΥΠΡΟΣ","ΦΙΝΛΑΝΔΙΑ","ΓΑΛΛΙΑ","ΓΕΡΜΑΝΙΑ","ΟΛΛΑΝΔΙΑ","ΙΤΑΛΙΑ","ΠΟΡΤΟΓΑΛΛΙΑ","ΙΣΠ
ΑΝΙΑ"};
private static int k1;
private static String temp;

public static void main(String[] args) {
frame= new JFrame("ΣΗΜΑΙΕΣ");
frame.setLayout(null);
frame.setSize(900,700);
frame.getContentPane().setBackground(Color.red);

pic1 = new ImageIcon("img/austria.png");
pic2 = new ImageIcon("img/belgium.png");
pic3 = new ImageIcon("img/cyprus.png");
pic4 = new ImageIcon("img/finland.png");
pic5 = new ImageIcon("img/france.png");
pic6 = new ImageIcon("img/germany.png");
pic7 = new ImageIcon("img/holland.png");
pic8 = new ImageIcon("img/italy.png");
pic9 = new ImageIcon("img/portugal.png");
pic10 = new ImageIcon("img/spain.png");

ImageIcon[] a={pic1,pic2,pic3,pic4,pic5,pic6,pic7,pic8,pic9,pic10};

label = new JLabel[10];

for(int i=0;i<10;i++){
label[i] = new JLabel(a[i]);}

for(int i=0;i<10;i++){
int k = r2.nextInt(10);
templabel=label[i];
label[i]=label[k];
label[k]=templabel;
temp=b[i];
b[i]=b[k];
b[k]=temp;

}

```

```
label4 = new JLabel();
label4.setText("Σε ποια χώρα ανήκει αυτή η σημαία;");
label4.setBounds(190, 80, 520, 40);
label4.setForeground(Color.black);
label4.setFont(new Font("Verdana", Font.BOLD, 22));
```

```
int k1=0;
```

```
label[k1].setBounds(300, 150, 275, 173);
```

```
String
```

```
c[]={ "ΑΥΣΤΡΙΑ", "ΒΕΛΓΙΟ", "ΚΥΠΡΟΣ", "ΦΙΝΛΑΝΔΙΑ", "ΓΑΛΛΙΑ", "ΓΕΡΜΑΝΙΑ", "ΟΛΛΑΝΔΙΑ", "ΙΤΑΛΙΑ", "ΠΟΡΤΟΓΑΛΛΙΑ", "ΙΣΠΑΝΙΑ" };
```

```
cb=new JComboBox(c);
cb.setBounds(320, 410, 200, 30);
cb.setFont(new Font("Verdana", Font.BOLD, 24));
cb.setForeground(Color.black);
```

```
b1=new JButton("ΑΠΑΝΤΗΣΗ");
b1.setBounds(300, 500, 300, 50);
b1.addActionListener(new Countries());
b1.setBackground(Color.blue);
b1.setFont(new Font("Verdana", Font.BOLD, 24));
b1.setForeground(Color.white);
```

```
label3 = new JLabel();
label3.setText("ΣΚΟΡ: "+String.valueOf(k1+" στα 10"));
label3.setBounds(300, 600, 290, 40);
label3.setForeground(Color.black);
label3.setFont(new Font("Verdana", Font.BOLD, 22));
```

```
frame.add(label[k1]);
frame.add(cb);
frame.add(b1);
frame.add(label3);
frame.add(label4);
```

```
frame.setVisible(true);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
}
```

```
public void actionPerformed(ActionEvent e) {
    if (e.getSource()==b1){
        String pr= cb.getSelectedItem().toString();
        if(pr.equals(b[k1])){
            k1++;
        }
    }
}
```

```

frame.getContentPane().removeAll();
frame.repaint();

if(k1==10){
    label4 = new JLabel();
    label4.setText("ΝΙΚΗΣΕΣ");
    label4.setBounds(190, 80, 520, 40);
    label4.setForeground(Color.black);
    label4.setFont(new Font("Verdana", Font.BOLD, 22));

    frame.add(label4);
}

else{
    label4 = new JLabel();
    label4.setText("Σε ποια χώρα ανήκει αυτή η σημαία;");
    label4.setBounds(190, 80, 520, 40);
    label4.setForeground(Color.black);
    label4.setFont(new Font("Verdana", Font.BOLD, 22));

    b1=new JButton("ΑΠΑΝΤΗΣΗ");
    b1.setBounds(300, 500, 300, 50);
    b1.addActionListener(new Countries());
    b1.setBackground(Color.blue);
    b1.setFont(new Font("Verdana", Font.BOLD, 24));
    b1.setForeground(Color.white);

    String
c[]={ "ΑΥΣΤΡΙΑ", "ΒΕΛΓΙΟ", "ΚΥΠΡΟΣ", "ΦΙΝΛΑΝΔΙΑ", "ΓΑΛΛΙΑ", "ΓΕΡΜΑΝΙΑ", "ΟΛΛΑΝΔΙΑ", "ΙΤΑΛΙΑ", "ΠΟΡΤΟΓΑΛΛΙΑ", "ΙΣ
ΠΑΝΙΑ"};
    cb=new JComboBox(c);
    cb.setBounds(320, 410, 200, 30);
    cb.setFont(new Font("Verdana", Font.BOLD,24));
    cb.setForeground(Color.black);

    label3 = new JLabel();
    label3.setText("ΣΚΟΡ: "+String.valueOf(k1+" στα 10"));
    label3.setBounds(300, 600, 290, 40);
    label3.setForeground(Color.black);
    label3.setFont(new Font("Verdana", Font.BOLD, 22));

    label[k1].setBounds(300, 150, 275, 173);
    frame.add(label[k1]);
    frame.add(b1);
    frame.add(cb);
    frame.add(label3);
    frame.add(label4);
}
frame.setVisible(true);

frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

}
else{
    frame= new JFrame("ΣΗΜΑΙΕΣ");
    frame.setLayout(null);
    frame.setSize(900,700);

```

```
frame.getContentPane().setBackground(Color.red);
```

```
label3 = new JLabel();
```

```
label3.setText("GAME OVER");
```

```
label3.setBounds(270, 300, 500, 60);
```

```
label3.setForeground(Color.black);
```

```
label3.setFont(new Font("Verdana", Font.BOLD, 52));
```

```
frame.add(label3);
```

```
frame.setVisible(true);
```

```
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

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}
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}
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}
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}
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