**TASK \_04:ONLINE EXAMINATON**

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.\*;  
import java.lang.Exception;  
import java.util.Timer;  
import java.util.TimerTask;  
class OnlineExamination extends JFrame implements ActionListener  
{  
 JButton Btn;  
 JPanel newPanel;  
 JLabel userL, passL;  
 final JTextField textField1, textField2;  
 OnlineExamination()  
 {  
 userL = new JLabel();  
 userL.setText(" Your Name ");  
 textField1 = new JTextField(5);  
 passL = new JLabel();  
 passL.setText(" Password ");  
 textField2 = new JPasswordField(5);  
 Btn = new JButton(" LOGIN ");  
 newPanel = new JPanel(new GridLayout(3, 3));  
 newPanel.add(userL);  
 newPanel.add(textField1);  
 newPanel.add(passL);  
 newPanel.add(textField2);  
 newPanel.add(Btn);  
 add(newPanel, BorderLayout.*CENTER*);  
 Btn.addActionListener(this);  
 setTitle("Login Site ");  
 }  
 public void actionPerformed(ActionEvent ae)  
 {  
 String userValue = textField1.getText();  
 String passValue = textField2.getText();  
 if(!passValue.equals(""))  
 new OnlineExaminationBegin(userValue);  
 else{  
 textField2.setText(" Enter Your Password ");  
 actionPerformed(ae);  
 }  
 }  
}  
class OnlineExaminationBegin extends JFrame implements ActionListener  
{  
 JLabel jl;  
 JLabel l1;  
 JRadioButton jrbtn[]=new JRadioButton[6];  
 JButton b1,b2,log;  
 ButtonGroup bg;  
 int count=0,current=0,x=1,y=1,now=0;  
 int m[]=new int[10];  
 Timer = new Timer();  
 OnlineExaminationBegin(String s)  
 {  
 super(s);  
 jl=new JLabel();  
 l1 = new JLabel();  
 add(jl);  
 add(l1);  
 bg=new ButtonGroup();  
 for(int i=0;i<5;i++)  
 {  
 jrbtn[i]=new JRadioButton();  
 add(jrbtn[i]);  
 bg.add(jrbtn[i]);  
 }  
 b1=new JButton("Next Question");  
 b2=new JButton("Bookmark Question");  
 b1.addActionListener(this);  
 b2.addActionListener(this);  
 add(b1);  
 add(b2);  
 set();  
 jl.setBounds(30,30,200,10);  
 l1.setBounds(20,20,20,10);  
 jrbtn[0].setBounds(50,80,100,20);  
 jrbtn[1].setBounds(50,110,100,20);  
 jrbtn[2].setBounds(50,140,100,20);  
 jrbtn[3].setBounds(50,170,100,20);  
 b1.setBounds(95,240,140,30);  
 b2.setBounds(270,240,150,30);  
 setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 setLayout(null);  
 setLocation(250,100);  
 setVisible(true);  
 setSize(600,350);  
 timer.scheduleAtFixedRate(new TimerTask() {  
 int i = 200;  
 public void run() {  
 l1.setText("Time left: " + i);  
 i--;  
 if (i < 0) {  
 timer.cancel();  
 l1.setText("Time Out");  
 }  
 }  
 }, 0, 1000);  
 }  
 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");  
 }  
 }  
 if(e.getActionCommand().equals("Save for later"))  
 {  
 JButton bk=new JButton("Review"+x);  
 bk.setBounds(480,20+30\*x,100,30);  
 add(bk);  
 bk.addActionListener(this);  
 m[x]=current;  
 x++;  
 current++;  
 set();  
 if(current==4)  
 b2.setText("Result");  
 setVisible(false);  
 setVisible(true);  
 }  
 for(int i=0,y=1;i<x;i++,y++)  
 {  
 if(e.getActionCommand().equals("Review"+y))  
 {  
 if(check())  
 count=count+1;  
 now=current;  
 current=m[y];  
 set();  
 ((JButton)e.getSource()).setEnabled(false);  
 current=now;  
 }  
 }  
 if(e.getActionCommand().equals("Result"))  
 {  
 if(check())  
 count=count+1;  
 current++;  
 JOptionPane.*showMessageDialog*(this,"Score ="+count);  
 System.*exit*(0);  
 }  
 }  
 void set()  
 {  
 jrbtn[4].setSelected(true);  
 if(current==0)  
 {  
 jl.setText("Que1: Which of the following is reserved keyword in Java?");  
 jrbtn[0].setText("object");  
 jrbtn[1].setText("strictfp");  
 jrbtn[2].setText("main");  
 jrbtn[3].setText("system");  
 }  
 if(current==1)  
 {  
 jl.setText("Que2: which of the following is a market interface?");  
 jrbtn[0].setText("Runnable interface");  
 jrbtn[1].setText("Remote interface");  
 jrbtn[2].setText("Readable interface");  
 jrbtn[3].setText("Result interface");  
 }  
 if(current==2)  
 {  
 jl.setText("Que3: Which of the following is not the feature of the Java?");  
 jrbtn[0].setText("Object-Oriented");  
 jrbtn[1].setText("Portable");  
 jrbtn[2].setText("Dynamic");  
 jrbtn[3].setText("Use of Pointers");  
 }  
 if(current==3)  
 {  
 jl.setText("Que4: What is the extension of java code files?");  
 jrbtn[0].setText(".js");  
 jrbtn[1].setText(".txt");  
 jrbtn[2].setText(".java");  
 jrbtn[3].setText(".class");  
  
 }  
 if(current==4)  
 {  
 jl.setText("Que5: Which of the following are statements in java?");  
 jrbtn[0].setText("break");  
 jrbtn[1].setText("continue");  
 jrbtn[2].setText("for()");  
 jrbtn[3].setText("if()");  
 }  
  
 jl.setBounds(60,60,600,30);  
 for(int i=0,j=0;i<=90;i+=30,j++)  
 jrbtn[j].setBounds(60,90+i,400,30);  
 }  
 boolean check()  
 {  
 if(current==0)  
 return(jrbtn[2].isSelected());  
 if(current==1)  
 return(jrbtn[2].isSelected());  
 if(current==2)  
 return(jrbtn[4].isSelected());  
 if(current==3)  
 return(jrbtn[3].isSelected());  
 if(current==4)  
 return(jrbtn[4].isSelected());  
  
 return false;  
 }  
 public static void main(String args[])  
 {  
 try {  
 OnlineExamination form = new OnlineExamination();  
 form.setSize(600, 450);  
 form.setVisible(true);  
 }  
  
 catch(Exception e)  
 {  
 JOptionPane.*showMessageDialog*(null, e.getMessage());  
 }  
 }  
}