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Section : BSCS 5

**Assignment 2**

**Task 3 and 4**

**Code**

import javax.swing.\*;  
import java.awt.\*;  
  
public class Main {  
 public static void main(String[] args) {  
 JFrame frame = new JFrame("Sketcher");  
 frame.setLocation(500, 100);  
 frame.setSize(600, 600);  
 frame.setDefaultCloseOperation(WindowConstants.*EXIT\_ON\_CLOSE*);  
 frame.getContentPane().setBackground(Color.*gray*);  
 frame.setMinimumSize(new Dimension(600, 600));  
 JMenuBar menuBar = new JMenuBar();  
 JMenu fileMenu = new JMenu("File");  
 menuBar.add(fileMenu);  
 JMenu elementMenu = new JMenu("Element");  
 menuBar.add(elementMenu);  
 ButtonGroup elementGroup = new ButtonGroup();  
 JRadioButtonMenuItem lineItem = new JRadioButtonMenuItem("Line", true);  
 JRadioButtonMenuItem rectangleItem = new JRadioButtonMenuItem("Rectangle");  
 JRadioButtonMenuItem circleItem = new JRadioButtonMenuItem("Circle");  
 JRadioButtonMenuItem curveItem = new JRadioButtonMenuItem("Curve");  
 elementGroup.add(lineItem);  
 elementGroup.add(rectangleItem);  
 elementGroup.add(circleItem);  
 elementGroup.add(curveItem);  
 elementMenu.add(lineItem);  
 elementMenu.add(rectangleItem);  
 elementMenu.add(circleItem);  
 elementMenu.add(curveItem);  
 JMenu colorMenu = new JMenu("Color");  
 elementMenu.add(colorMenu);  
 ButtonGroup colorGroup = new ButtonGroup();  
 JRadioButtonMenuItem redColor = new JRadioButtonMenuItem("Red");  
 JRadioButtonMenuItem yellowColor = new JRadioButtonMenuItem("Yellow");  
 JRadioButtonMenuItem greenColor = new JRadioButtonMenuItem("Green");  
 JRadioButtonMenuItem blueColor = new JRadioButtonMenuItem("Blue", true);  
 colorGroup.add(redColor);  
 colorGroup.add(yellowColor);  
 colorGroup.add(greenColor);  
 colorGroup.add(blueColor);  
 colorMenu.add(redColor);  
 colorMenu.add(yellowColor);  
 colorMenu.add(greenColor);  
 colorMenu.add(blueColor);  
 frame.setJMenuBar(menuBar);  
 frame.setVisible(true);  
 }  
}

output :

