CODE:

package dao;

import java.awt.Graphics;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JFrame;

import javax.swing.JMenu;

import javax.swing.JMenuBar;

import javax.swing.JMenuItem;

import javax.swing.JPanel;

public class Experiment15 extends JFrame implements ActionListener {

private JMenu fileMenu;

private JPanel canvas;

private String shape = "";

private int x, y;

public Experiment15() {

JMenuItem drawLineItem = new JMenuItem("Line");

JMenuItem drawSquareItem = new JMenuItem("Square");

JMenuItem drawRectangleItem = new JMenuItem("Rectangle");

JMenuItem drawOvalItem = new JMenuItem("Oval");

JMenuItem drawCircleItem = new JMenuItem("Circle");

JMenuItem closeMenu = new JMenuItem("Close");

JMenu drawShapes = new JMenu("Draw Shapes");

fileMenu = new JMenu("File");

drawLineItem.addActionListener(this);

drawSquareItem.addActionListener(this);

drawRectangleItem.addActionListener(this);

drawOvalItem.addActionListener(this);

drawCircleItem.addActionListener(this);

closeMenu.addActionListener(this);

drawShapes.add(drawLineItem);

drawShapes.add(drawSquareItem);

drawShapes.add(drawRectangleItem);

drawShapes.add(drawOvalItem);

drawShapes.add(drawCircleItem);

fileMenu.add(drawShapes);

fileMenu.add(closeMenu);

JMenuBar menuBar = new JMenuBar();

menuBar.add(fileMenu);

setJMenuBar(menuBar);

setSize(300, 400);

setVisible(true);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

}

public static void main(String[] args) {

// TODO Auto-generated method stub

new Experiment15();

}

@Override

public void paint(Graphics g) {

// TODO Auto-generated method stub

super.paint(g);

switch (shape) {

case "Line":

g.drawLine(150, 100, 200, 100);

break;

case "Oval":

g.drawOval(100, 100, 200, 100);

break;

case "Rectangle":

g.drawRect(100, 200, 100, 50);

break;

case "Square":

g.drawRect(100, 200, 100, 100);

break;

case "Circle":

g.drawOval(100, 100, 100, 100);

break;

}

}

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

shape = e.getActionCommand();

repaint();

}

}