**Assignment no: 11**

**//Aim:Write a program in Java to draw a concave polygon.**

import java.awt.\*;

import javax.swing.\*;

public class Polygon extends JFrame{

public Polygon(){

super("Draw Square, Rectangle, Polygon");

setSize(400,400);

setVisible(true);

}

public void paint(Graphics g){

int xpoints[]={55,145,55,145,55};

int ypoints[]={55,55,145,145,55};

int npoints=5;

int xpoints1[]={250,300,350};

int ypoints1[]={100,50,100};

int npoints1=3;

Graphics2D g2d = (Graphics2D) g;

super.paint(g);

g.setColor(Color.red);

g.drawRect(55,150,90,150);

g.drawRect(150,150,200,200);

g2d.setColor(Color.blue);

g2d.drawLine(150,150,150,150);

g.drawPolygon(xpoints,ypoints,npoints);

g.drawPolygon(xpoints1,ypoints1,npoints1);

}

public static void main(String[] args){

Polygon application = new Polygon();

application.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

}