

From Register number 2020178022 to 2020178042

Question No.	Questions	Marks
1	Write an application that draws a series of eight ovals by using class Ellipse2D.Double and method draw of class Graphics2D.	10

Program:

```
import javax.swing.*;
import java.awt.*;
import java.awt.geom.*;

public class NewClass extends JPanel {

    @Override
    public void paintComponent(Graphics g)
    {
        super.paintComponent(g);
        this.setBackground(Color.WHITE);

        Graphics2D g1 = (Graphics2D) g;

        g1.setPaint(new Color(150, 150, 150));

        RenderingHints rh = new RenderingHints(
            RenderingHints.KEY_ANTIALIASING,
            RenderingHints.VALUE_ANTIALIAS_ON);

        rh.put(RenderingHints.KEY_RENDERING,
            RenderingHints.VALUE_RENDER_QUALITY);

        g1.setRenderingHints(rh);

        g1.fill(new Ellipse2D.Double(10, 0, 80, 100));

        g1.setPaint(new Color(150, 50, 150));

        g1.fill(new Ellipse2D.Double(10, 120, 80, 100));
```

```
g1.setPaint(new Color(99, 88, 198));

g1.fill(new Ellipse2D.Double(10, 240, 80, 100));

g1.setPaint(new Color(48, 156, 75));

g1.fill(new Ellipse2D.Double(10, 360, 80, 100));

g1.setPaint(new Color(128, 16, 78));

g1.fill(new Ellipse2D.Double(10, 480, 80, 100));

g1.setPaint(new Color(253, 119, 253));

g1.fill(new Ellipse2D.Double(10, 600, 80, 100));

g1.setPaint(new Color(212, 22, 104));

g1.fill(new Ellipse2D.Double(10, 720, 80, 100));

g1.setPaint(new Color(7, 62, 111));

g1.fill(new Ellipse2D.Double(10, 840, 80, 100));

}

    public static void main(String[] args) {
        JFrame frame = new JFrame("Using colors");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        NewClass colorJPanel = new NewClass();
        frame.add(colorJPanel);
        frame.setSize(400, 180);
        frame.setVisible(true);

        // write your code here
    }
}
```

Output:

