

Code 1:

```
import java.applet.Applet;
import java.awt.*;

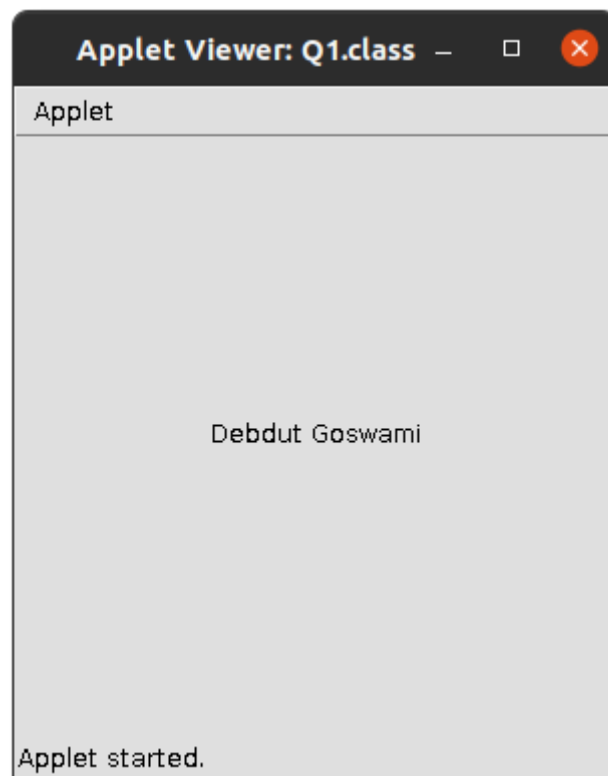
/* <applet width=300 height=300 code="Q1.class"> </applet> */

public class Q1 extends Applet {
    @Override
    public void paint(Graphics graphics) {
        int xc,yc;
        String str = "Debdut Goswami";

        FontMetrics fm = graphics.getFontMetrics();
        Dimension d = getSize();
        xc=d.width/2 - fm.stringWidth(str)/2;
        yc=d.height/2 + fm.getDescent();

        graphics.drawString(str, xc, yc);
    }
}
```

Output:



\*\*\*\*\*

Code 2:

```
import java.applet.Applet;
import java.awt.*;

/* <applet width=300 height=300 code="Q2.class"> </applet> */

public class Q2 extends Applet {
```

```

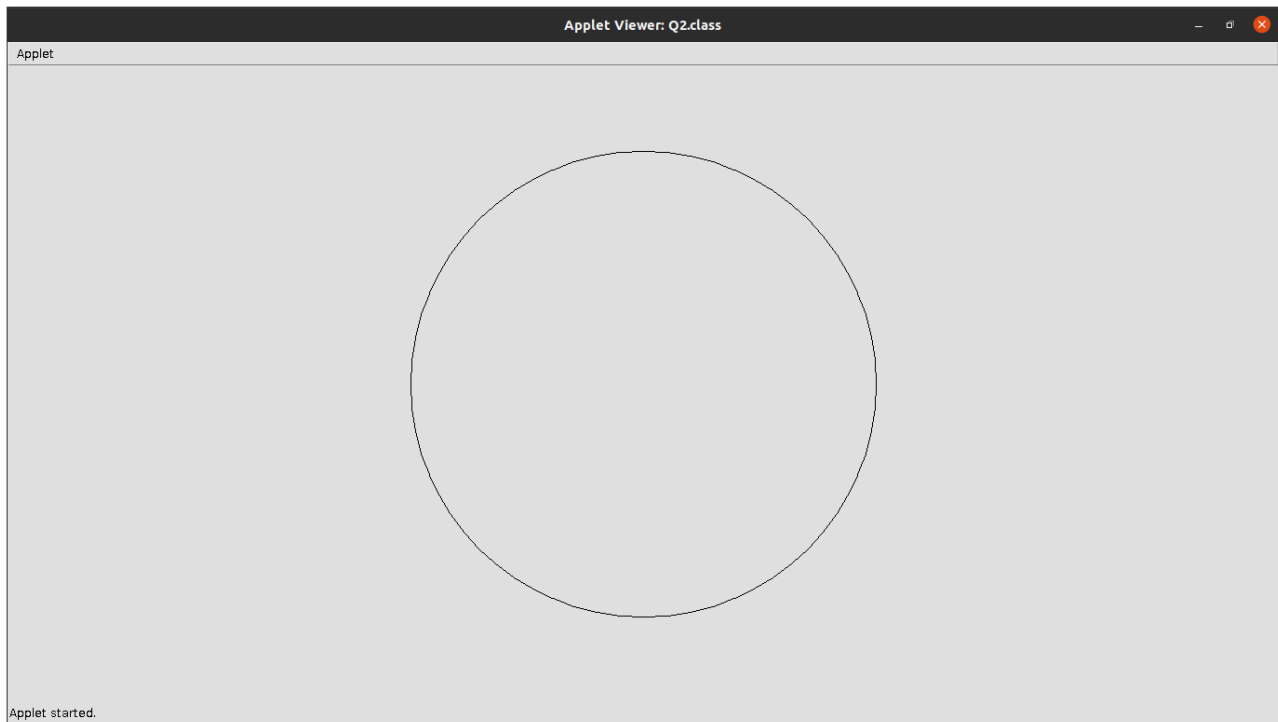
@Override
public void paint(Graphics graphics) {
    int xc, yc;

    Dimension d = getSize();
    xc=d.width/2;
    yc=d.height/2;

    graphics.drawOval(xc-250, yc-250, 250*2, 250*2);
}
}

```

Output:



\*\*\*\*\*

Code 3:

```

import java.applet.Applet;
import java.awt.*;

/* <applet width=300 height=300 code="Q3.class"> </applet> */

public class Q3 extends Applet {
    @Override
    public void paint(Graphics graphics) {
        int xc, yc;

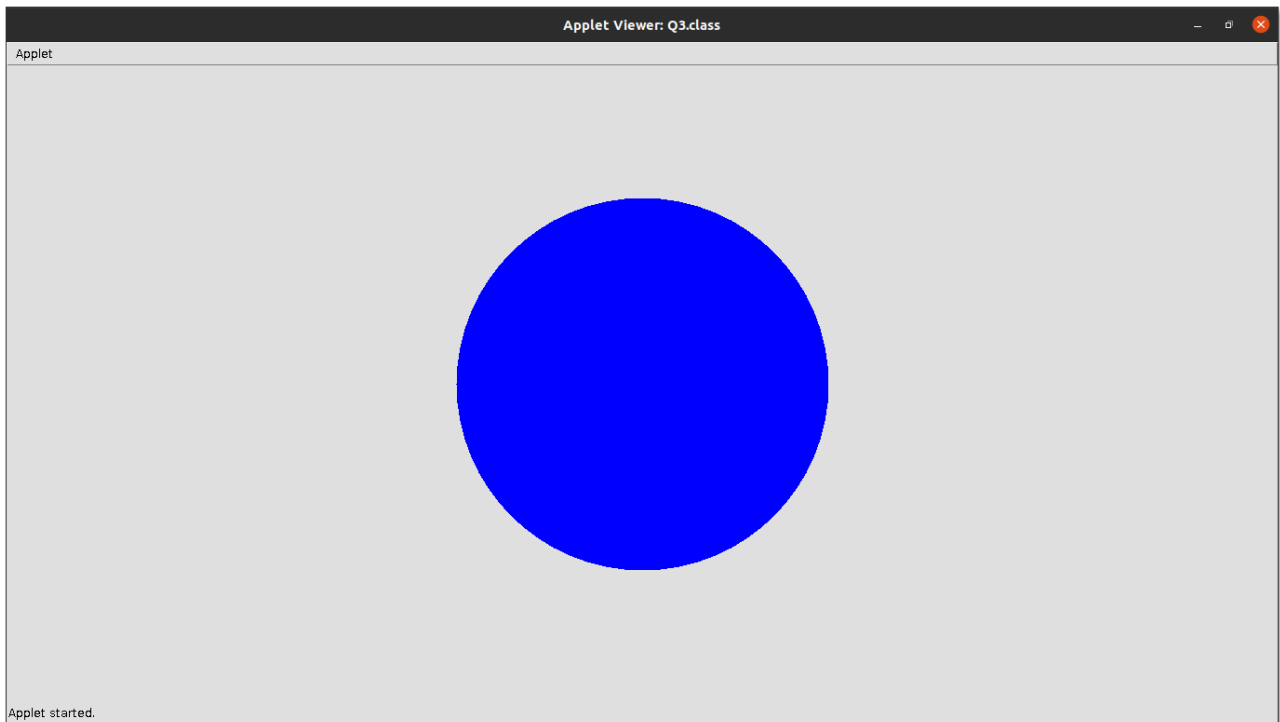
        Dimension d = getSize();
        xc=d.width/2;
        yc=d.height/2;

        graphics.setColor(Color.blue);
        graphics.fillOval(xc-200, yc-200, 200*2, 200*2);
    }
}

```

```
}
```

Output:



\*\*\*\*\*

Code 4:

```
import java.applet.Applet;
import java.awt.*;

/* <applet width=300 height=300 code="Q4.class"> </applet> */

public class Q4 extends Applet {
    @Override
    public void paint(Graphics graphics) {
        int xc, yc;

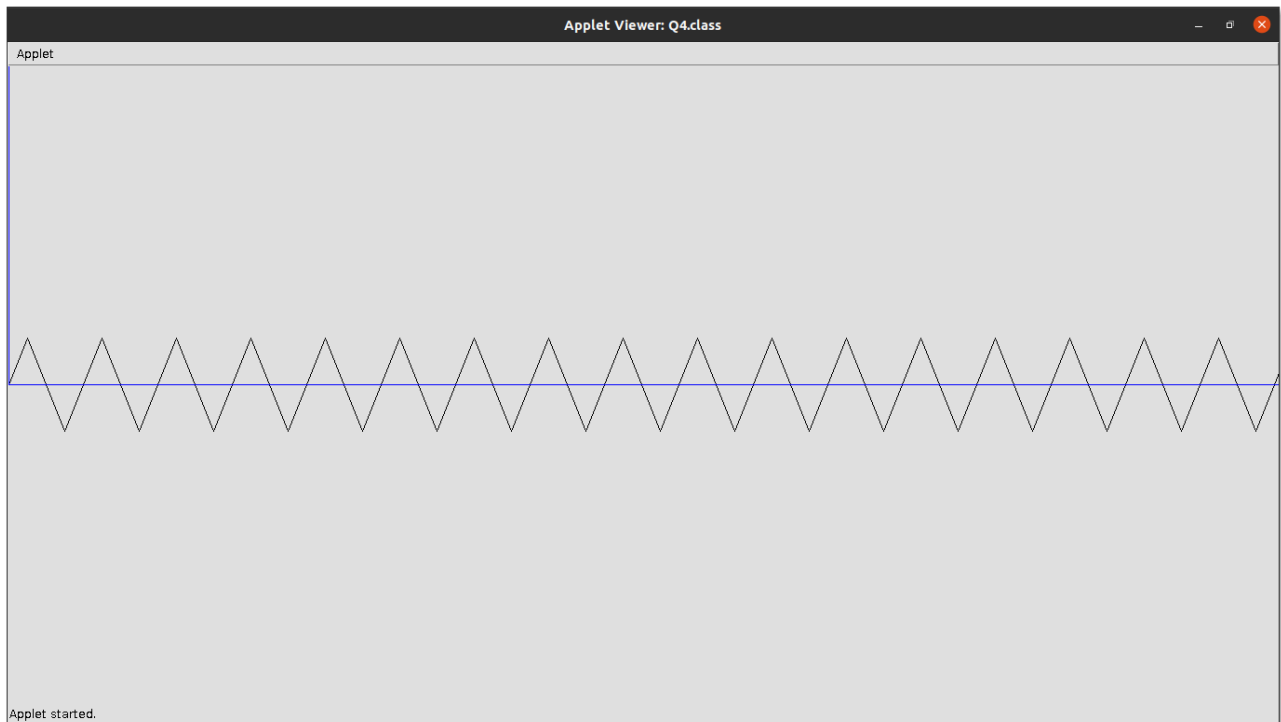
        Dimension d = getSize();
        xc=d.width;
        yc=d.height;
        boolean up = true;
        for(int i=1;i<xc;i+=40){
            if (up){
                // upper half
                graphics.drawLine(i, yc/2, i+20, yc/2 - 50);
                graphics.drawLine(i+20, yc/2 - 50, i+40, yc/2);
                up = false;
            }else {
                // lower half
                graphics.drawLine(i, yc/2, i + 20, yc/2 + 50);
                graphics.drawLine(i + 20, yc/2 + 50, i+40, yc/2);
                up = true;
            }
        }
        graphics.setColor(Color.blue);
    }
}
```

```

        // drawing x-axis
        graphics.drawLine(1, yc/2, 1, 1);
        // drawing y-axis
        graphics.drawLine(1, yc/2, xc, yc/2);
    }
}

```

Output:



\*\*\*\*\*

Code 5:

```

import java.applet.Applet;
import java.awt.*;

/* <applet width=300 height=300 code="Q5.class"> </applet> */

public class Q5 extends Applet {
    @Override
    public void init() {
        System.out.println("init() called");
    }

    @Override
    public void start() {
        System.out.println("start() called");
    }

    @Override
    public void stop() {
        System.out.println("stop() called");
    }

    @Override
    public void destroy() {

```

```
        System.out.println("destroy() called");
    }
}
```

Output:

```
debdutgoswami@debdut-hp
init() called
start() called
stop() called
destroy() called
```

\*\*\*\*\*