

Q1.

Code:

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

/* <applet code="Ass1.class" width=300 height=250></applet> */

public class Ass1 extends Applet {
    public void paint(Graphics g) {
        g.setColor(Color.blue);
        g.drawString("Swapnanil Dutta", getWidth() / 2, getHeight() / 2);
    }
}
```

Output:



Q2.

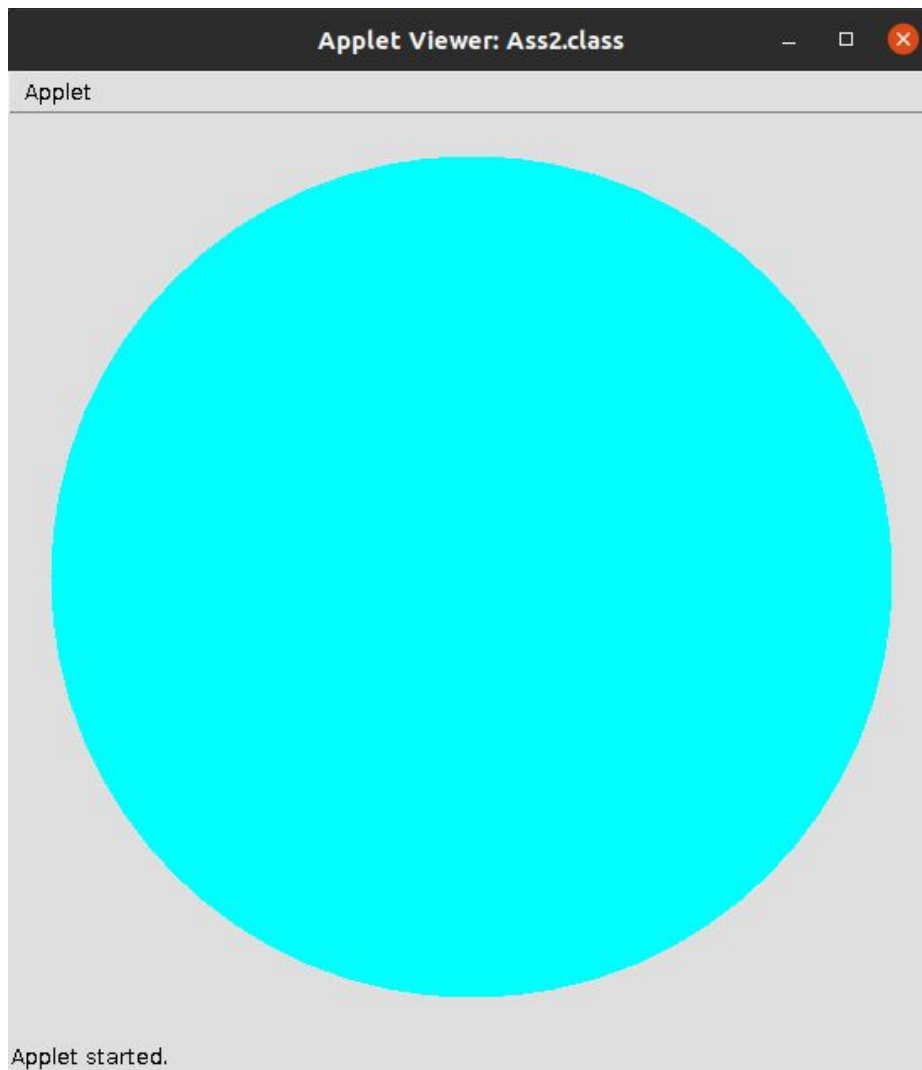
Code:

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

/* <applet code="Ass2.class" width=300 height=250></applet> */

public class Ass2 extends Applet {
    public void paint(Graphics g) {
        g.setColor(Color.cyan);
        g.fillOval(getWidth() / 2 - 250, getHeight() / 2 - 250, 500, 500);
    }
}
```

Output:



Q3.

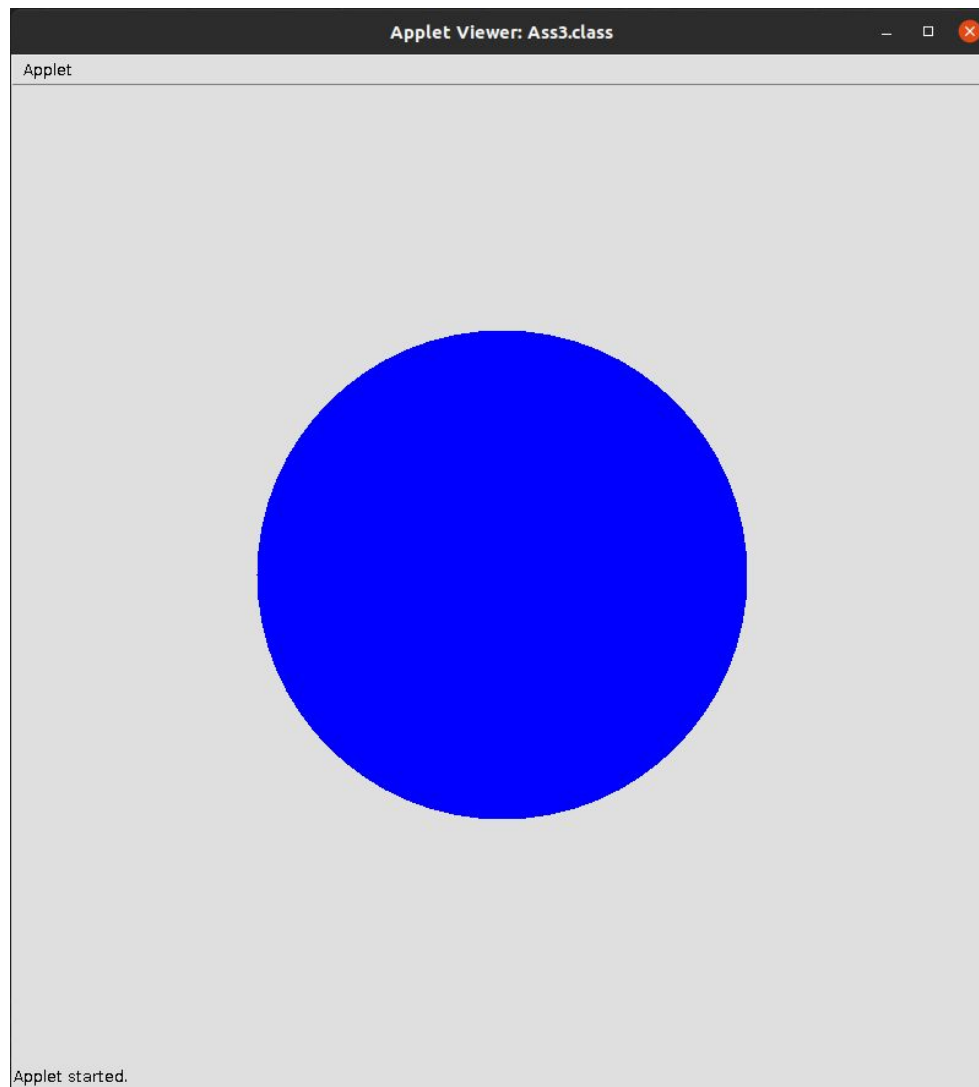
Code:

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

/* <applet code="Ass3.class" width=800 height=800></applet> */

public class Ass3 extends Applet {
    public void paint(Graphics g) {
        g.setColor(Color.blue);
        g.fillOval(getWidth() / 2 - 200, getHeight() / 2 - 200, 400, 400);
    }
}
```

Output:



Q4.

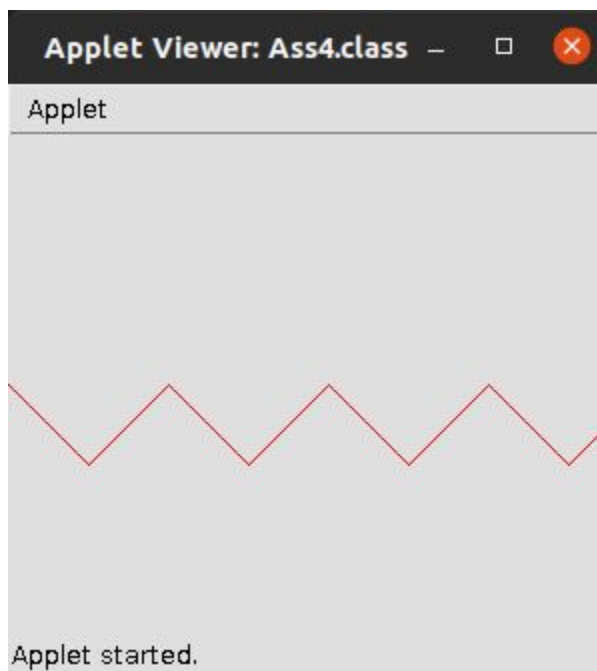
Code:

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

/* <applet code="Ass4.class" width=300 height=250></applet> */

public class Ass4 extends Applet {
    public void paint(Graphics g) {
        g.setColor(Color.red);
        for (int i = 0; i * 40 <= getWidth(); i++) {
            if (i % 2 == 0) {
                g.drawLine(i * 40, getHeight() / 2, (i + 1) * 40,
getHeight() / 2 + 40);
            } else {
                g.drawLine(i * 40, getHeight() / 2 + 40, (i + 1) * 40,
getHeight() / 2);
            }
        }
    }
}
```

Output:



Q5.

Code:

```
import java.applet.Applet;
import java.awt.Graphics;
/* <applet code="Ass5.class" width=300 height=250></applet> */
public class Ass5 extends Applet {
    String s = "";
    @Override
    public void init() {
        System.out.println("init() called");
        s += "init() called ";
    }
    @Override
    public void start() {
        System.out.println("start() called");
        s += "start() called ";
    }
    @Override
    public void stop() {
        System.out.println("stop() called");
        s += "stop() called ";
    }
    @Override
    public void destroy() {
        System.out.println("destroy() called");
        s += "destroy() called ";
    }
    @Override
    public void paint(Graphics g) {
        g.drawString("Hello World", 50, 70);
        g.drawString("Goodbye", 50, 90);
        g.drawString(s, 50, 120);
    }
}
```

Output:

```
swapnani@swapnani-Inspiron-N4050:~/OOPS-PCC-CS593/Day-25-(06.01.2021)$ appletviewer Ass5.java  
init() called  
start() called  
stop() called  
destroy() called
```

