

1. Write an applet that draws a circle. The dimension of the applet should be 500 x 300 pixels. The circle should be centered in the applet and have a radius of 100 pixels. Display your name centered in a circle.

Prac_1.java:

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

public class Prac_1 extends Applet{

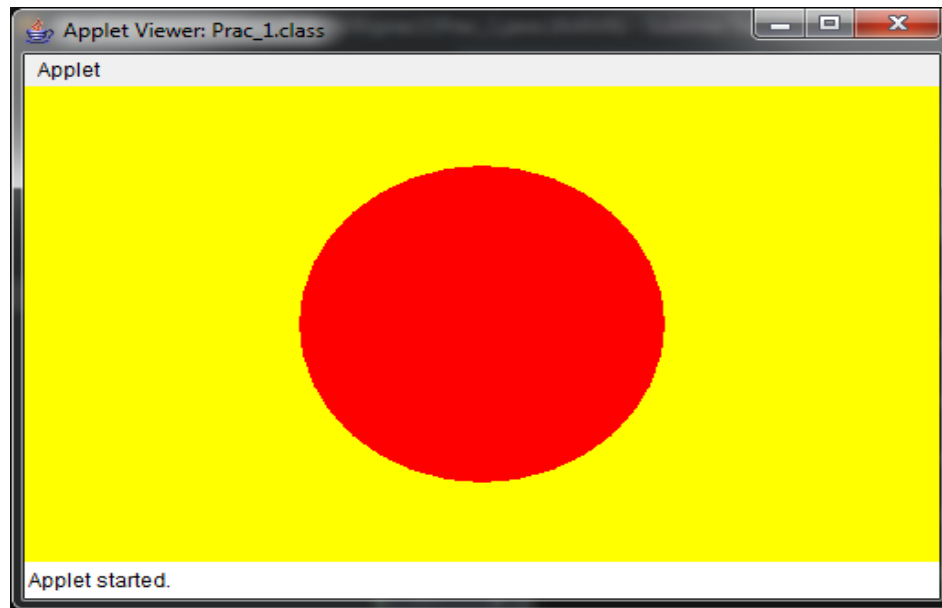
    public void init(){
        setBackground(Color.yellow);
    }

    public void paint(Graphics g){
        g.setColor(Color.red);

        g.fillOval(150,50,200,200);
    }
}
```

Prac_1.html:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Practical 1</title>
</head>
<body>
    <applet code="Prac_1.class" width="500" height="300"></applet>
</body>
</html>
```



2. Draw ten red circles in a vertical column in the center of the applet.

Prac_2.java:

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

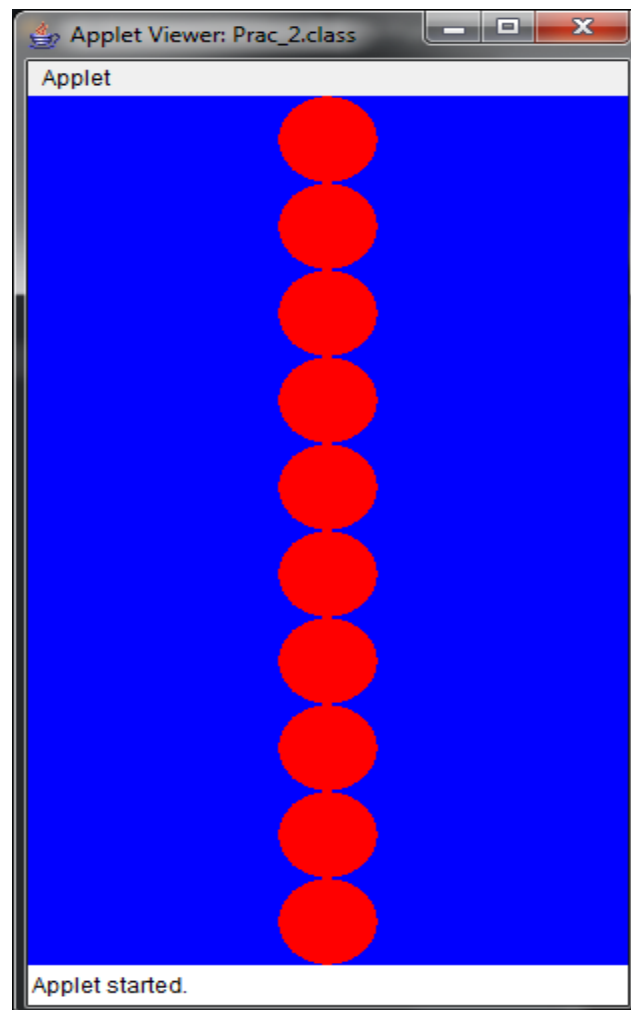
public class Prac_2 extends Applet{

    public void init(){
        setBackground(Color.blue);
    }

    public void paint(Graphics g){
        g.setColor(Color.red);
        int y=50;
        for(int i=0;i<10;i++){
            g.fillOval(125,y*i,50,50);
        }
    }
}
```

Prac_2.html:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Practical 2</title>
</head>
<body>
  <applet code="Prac_2.class" width="300" height="500"></applet>
</body>
</html>
```



3. Built an applet that displays a horizontal rectangle in its center. Let the rectangle fills with color from left to right.

Prac_3.java:

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

public class Prac_3 extends Applet{

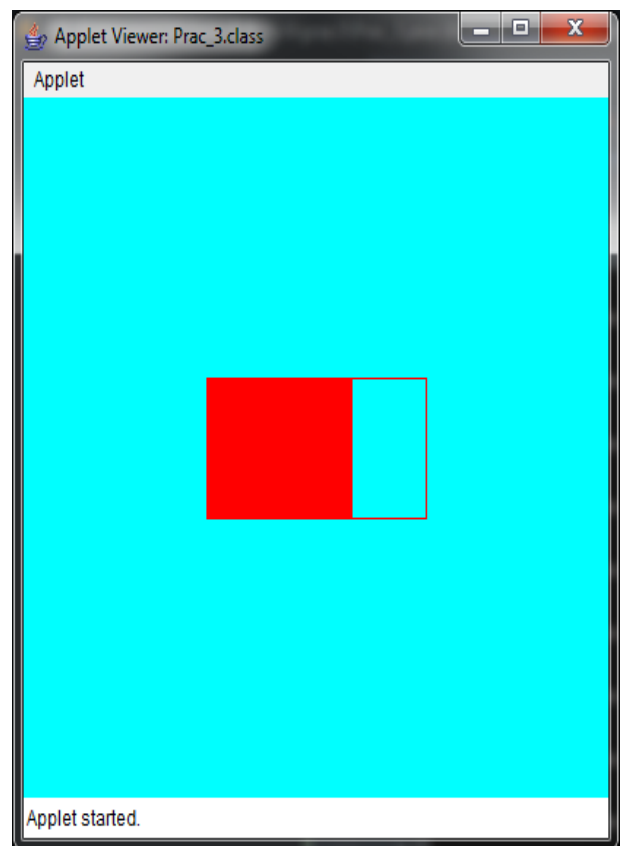
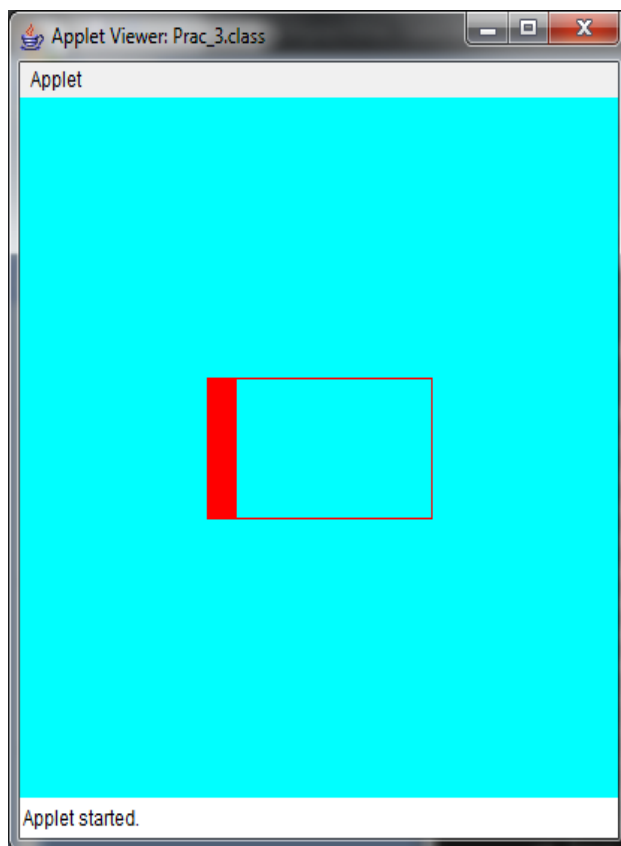
    public void init(){
        setBackground(Color.cyan);
    }

    public void paint(Graphics g){
        g.setColor(Color.red);
        g.drawRect(125,160,150,80);

        for(int i=20;i<=100;i+=20){
            try{
                Thread.sleep(200);
                g.fillRect(125,160,i,80);
            }catch(Exception e){
            }
        }
    }
}
```

Prac_3.html:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Practical 3</title>
</head>
<body>
    <applet code="Prac_3.class" width="400" height="400"></applet>
</body>
</html>
```



4. Built an applet that displays a sum of two numbers which are passed as parameters from a html file to an applet.

Prac_4.html:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Practical 4</title>
</head>
<body>
  <applet code="Prac_4.class" width="400" height="200">
    <param name="no1" value="30">
    <param name="no2" value="300">
  </applet>
</body>
</html>
```

Prac_4.java:

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

public class Prac_4 extends Applet{

    Font f1;

    public void init(){
        setBackground(Color.black);
        f1 = new Font("Arial",Font.BOLD,18);
    }

    public void paint(Graphics g){
        g.setColor(Color.white);
        g.setFont(f1);
        g.drawString("Sum of Two Numbers : ",20,20);

        int no1=Integer.parseInt(getParameter("no1"));
        int no2=Integer.parseInt(getParameter("no2"));

        g.drawString(" (1) " + String.valueOf(no1),220,20);
        g.drawString(" (2) " + String.valueOf(no2),220,40);

        g.setColor(Color.red);
        g.drawString("Sum is " + String.valueOf(no2 +no1),220,60);
    }
}
```

