

```
/*
 * Chris Tjon - Ex5.9 Wed 4pm
 *
 */
package doubled;

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

public class Doubled extends Applet implements ActionListener
{
    private TextField inputField;
    private int input;

    int doubled(int operand)
    {
        return(operand * 2); // double the parameter and return it
    }

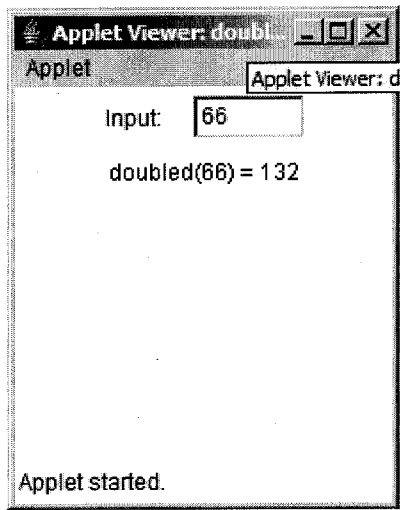
    public void init()
    {
        Label fieldName = new Label("Input:");
        add(fieldName);
        inputField = new TextField(5);
        add(inputField);
        inputField.addActionListener(this);
    }

    public void actionPerformed(ActionEvent event)
    {
        input = Integer.parseInt(inputField.getText());
        repaint();
    }

    public void paint(Graphics g)
    {
        g.drawString("doubled(" + input + ") = " + doubled(input), 50, 50);
    }
}
```

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OK



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/*
 * Chris Tjon, Ex 6.4 Wed 4pm
 */
package filledOval;

import java.awt.*;
import java.applet.Applet;
import java.awt.event.*; //mp

public class FilledOval extends Applet implements AdjustmentListener
{
    private Scrollbar lengthBar, heightBar;
    private int height, length;

    public void init() {
        Label lengthLabel = new Label ("Length");
        add(lengthLabel);
        lengthBar = new Scrollbar(Scrollbar.HORIZONTAL, 0, 10, 100, 1000);
        add(lengthBar);
        lengthBar.addAdjustmentListener(this);

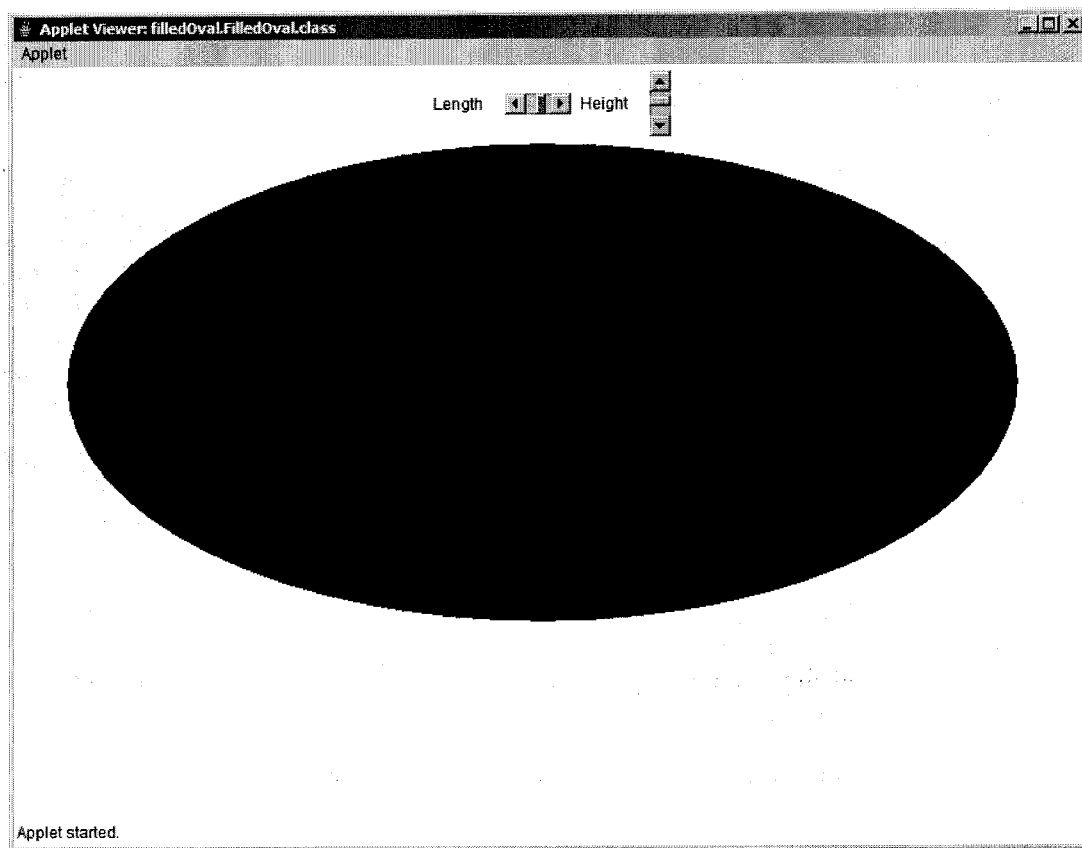
        Label heightLabel = new Label ("Height");
        add(heightLabel);
        heightBar = new Scrollbar(Scrollbar.VERTICAL, 0, 10, 100, 1000);
        add(heightBar);
        heightBar.addAdjustmentListener(this);
    }

    public void adjustmentValueChanged(AdjustmentEvent e)
    {
        length = lengthBar.getValue();
        height = heightBar.getValue();
        repaint();
    }

    public void paint(Graphics g)
    {
        g.fillOval(40, 60, length, height);
    }
}

```





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```
/*
 * Chris Tjon, Ex 7.4 Wed 4pm
 */
package agecheck;

import java.applet.*;
import java.awt.*;
import java.awt.event.*;

public class AgeCheck extends Applet implements AdjustmentListener {

    private Scrollbar ageBar;
    private int age;

    public void init() {
        Label ageLabel = new Label ("Age:");
        add(ageLabel);
        ageBar = new Scrollbar(Scrollbar.HORIZONTAL, 0, 1, 0, 100);
        add(ageBar);
        ageBar.addAdjustmentListener(this);
    }

    public void adjustmentValueChanged(AdjustmentEvent e)
    {
        age = ageBar.getValue();
        repaint();
    }

    public void paint (Graphics g)
    {
        g.drawString("Age is " + age, 50, 50);
        if (age < 5)
            g.drawString("Free", 50, 100);
        else if (age < 13)
            g.drawString("Half Price", 50,100);
        else if (age < 55)
            g.drawString("Full Price", 50,100);
        else if (age > 54)
            g.drawString("Free", 50,100);
    }
}
```

