

Mac Hague

ACO 102

Dr. Navabi

3/16/23

Programming Assignment 2

```
no usages
1 ▶ public class ShippingViewer
2   {
3   ▶   no usages
4   ▶   public static void main(String[] args) { new ShippingCalculator(); }
5   ▶
6   ▶
7   ▶ }
8   ▶
```

```
1 import javax.swing.*;
2 import java.awt.event.*;
3
4 1 usage
5 public class ShippingCalculator extends JFrame
6 {
7     no usages
8     JFrame f=new JFrame( title: "Shipping Calculator");
9     1 usage
10    ShippingCalculator()
11    {
12        JLabel l=new JLabel();
13        l.setText("By: Mac Hague");
14        l.setBounds( x: 50, y: 15, width: 300, height: 30);
15        add(l);
16        JLabel l1=new JLabel();
17        l1.setText("Shipping Method:");
18        l1.setBounds( x: 50, y: 50, width: 150, height: 20);
19        add(l1);
20        String[] methods={"Standard","Express","Same Day"};
21        JComboBox dropDown=new JComboBox(methods);
22        dropDown.setBounds( x: 155, y: 50, width: 150, height: 20);
23        add(dropDown);
24        JRadioButton r0=new JRadioButton( text: "Items");
25        JRadioButton r1=new JRadioButton( text: "Weight");
26        r0.setBounds( x: 70, y: 80, width: 100, height: 20);
27        r1.setBounds( x: 170, y: 80, width: 100, height: 20);
28        ButtonGroup bg=new ButtonGroup();
29        bg.add(r0);bg.add(r1);
30        JLabel l2=new JLabel();
31        l2.setText("Enter Category Info:");
32        l2.setBounds( x: 40, y: 108, width: 130, height: 20);
33        add(l2);
```

```

31 JTextField field=new JTextField();
32 field.setBounds( x: 160, y: 110, width: 150, height: 20);
33 add(field);
34 add(r0);add(r1);
35 JCheckBox cb=new JCheckBox( text: "Surcharge for Hawaii/Alaska", selected: false);
36 cb.setBounds( x: 70, y: 140, width: 200, height: 20);
37 JButton button=new JButton( text: "Calculate Shipping");
38 button.setBounds( x: 50, y: 170, width: 250, height: 30);
39 JLabel l3=new JLabel();
40 l3.setText("Total Shipping Cost: ");
41 l3.setBounds( x: 80, y: 220, width: 150, height: 20);
42 JLabel l4=new JLabel();
43 l4.setText("0.0");
44 l4.setBounds( x: 220, y: 220, width: 200, height: 20);
45 add(l3);add(l4);
46 button.addActionListener(new ActionListener()
47 {
48     public void actionPerformed(ActionEvent e)
49     {
50         double num=0;
51         if(r0.isSelected())
52         {
53             if(dropDown.getSelectedIndex()==0)
54             {
55                 int count=Integer.parseInt(field.getText());
56                 num=count*3;
57                 if(cb.isSelected()){
58                     num=count*3 + 2.50;
59                 }
60                 l4.setText(String.valueOf(num));
61             }
62             if(dropDown.getSelectedIndex()==1)
63             {

```

```
64         int count=Integer.parseInt(field.getText());
65         num=count*4;
66         if(cb.isSelected())
67         {
68             num=count*4 + 5;
69         }
70         l4.setText(String.valueOf(num));
71     }
72     if(dropDown.getSelectedIndex()==2)
73     {
74         int count=Integer.parseInt(field.getText());
75         num=count*5.50;
76         if(cb.isSelected())
77         {
78             num=count*5.50 + 8;
79         }
80         l4.setText(String.valueOf(num));
81     }
82 }
83 else if(r1.isSelected())
84 {
85     if(dropDown.getSelectedIndex()==0)
86     {
87         Double count=Double.parseDouble(field.getText());
88         num=count*1.45;
89         if(cb.isSelected())
90         {
91             num=count*1.45 + 2.50;
92         }
93         l4.setText(String.valueOf(num));
94     }
95     if(dropDown.getSelectedIndex()==1)
96     {
```

By: Mac Hague

Shipping Method:

☒ Items ☐ Weight

Enter Category Info:

☒ Surcharge for Hawaii/Alaska

Total Shipping Cost: 21.0

By: Mac Hague

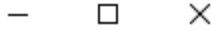
Shipping Method:

☐ Items ☒ Weight

Enter Category Info:

☒ Surcharge for Hawaii/Alaska

Total Shipping Cost: 15.0



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Shipping Method: Same Day ▼

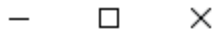
☒ Items ☐ Weight

Enter Category Info: 4

☒ Surcharge for Hawaii/Alaska

Calculate Shipping

Total Shipping Cost: 30.0



By: Mac Hague

Shipping Method: Same Day ▼


☐ Items ☒ Weight

Enter Category Info: 4

☒ Surcharge for Hawaii/Alaska

Calculate Shipping

Total Shipping Cost: 20.0

—□×

By: Mac Hague

Shipping Method: Standard ▼


☒ Items ☐ Weight

Enter Category Info: 4

☒ Surcharge for Hawaii/Alaska

Calculate Shipping

Total Shipping Cost: 14.5

—□×

By: Mac Hague

Shipping Method: Standard ▼

☐ Items ☒ Weight

Enter Category Info: 4

☒ Surcharge for Hawaii/Alaska

Calculate Shipping

Total Shipping Cost: 8.3