

match the check box: When the check box is checked (Checked = True), the label is visible (Visible = True).

```
' Make the visibility of the label match the setting in the check box.
MessageLabel.Visible = DisplayCheckBox.Checked
```

## Disabling Controls

The **Enabled** property of a control determines whether the control is available or “grayed-out.” The Enabled property for controls is set to True by default, but you can change the value either at design time or run time. You might want to disable a button or other control initially and enable it in code, depending on an action of the user. If you disable a button control (Enabled = False) at design time, you can use the following code to enable the button at run time.

```
DisplayButton.Enabled = True
```

When you have a choice to disable or hide a control, it’s usually best to disable it. Having a control disabled is more understandable to a user than having it disappear.

To disable radio buttons, consider disabling the group box holding the buttons, rather than the buttons themselves. Disabling the group box grays the entire group.

```
DepartmentGroupBox.Enabled = False
```

*Note:* Even though a control has its TabStop property set to True and its TabIndex is in the proper order, you cannot tab to a control that has been disabled.

## Feedback 2.2

1. Write the Basic statements to clear the text box called CompanyTextBox and reset the insertion point into the box.
2. Write the Basic statements to clear the label called CustomerLabel and place the insertion point into a text box called OrderTextBox.
3. What will be the effect of each of these Basic statements?
  - (a) PrintCheckBox.Checked = True
  - (b) ColorRadioButton.Checked = True
  - (c) DrawingPictureBox.Visible = False
  - (d) LocationLabel.BorderStyle = BorderStyle.Fixed3D
  - (e) CityLabel.Text = CityTextBox.Text
  - (f) RedRadioButton.Enabled = True

## Setting Properties Based on User Actions

Often you need to change the Enabled or Visible property of a control based on an action of the user. For example, you may have controls that are disabled or invisible until the user signs in. In the following example, when the user logs in and clicks the *Sign In* button, several controls become visible, others become invisible, and a group box of radio buttons is enabled: