**Add password protection by using the And operator**

1. Display the User Validation form, and then add a second Label control to the form below the first masked text box.

2. Set the new label’s Text property to “PIN.”

3. Add a second MaskedTextBox control to the form below the first masked text box and the new label.

4. Click the smart tag on the MaskedTextBox2 object to open the MaskedTextBox Tasks list, and then click the Set Mask command to display the Input Mask dialog box.

5. Click the Numeric (5-digits) input mask, and then click OK. Like many PINs found online, this PIN will be five digits long. Again, if the user types a password of a different length or format, it will be rejected.

6. Double-click the Sign In button to display the Button1\_Click event procedure in the Code Editor.

7. Modify the event procedure so that it contains the following code: If MaskedTextBox1.Text = "555-55-1212" \_ And MaskedTextBox2.Text = "54321" Then MsgBox("Welcome to the system!") Else MsgBox("I don't recognize this number") End If The statement now includes the And logical operator, which requires that the user’s PIN correspond with his or her SSN before the user is admitted to the system. (In this case, the valid PIN is 54321; in a real-world program, this value would be extracted along with the SSN from a secure database.) I modified the earlier program by adding a line continuation character (\_) to the end of the first line, and by adding the second line beginning with And.

8. Click the Start Debugging button on the Standard toolbar. The program runs in the IDE.

9. Type 555-55-1212 in the Social Security Number masked text box.

10. Type 54321 in the PIN masked text box.

11. Click the Sign In button. The user is welcomed to the program.

12. Click OK to close the message box.

13. Experiment with other values for the SSN and PIN. Test the program carefully to be sure that the welcome message is not displayed when other PINs or SSNs are entered.

14. Click the Close button on the form when you’re finished. The program ends, and the development environment returns.

Tip You can further customize this program by using the PasswordChar property in masked text box objects. The PasswordChar property can be used to display a placeholder character, such as an asterisk (\*), when the user types. (You specify the character by using the Properties window.) Using a password character gives users additional secrecy as they enter their protected password—a standard feature of such operations.