

MODIFY THIS

230

MODIFY THIS

MODIFY THIS

INTRODUCTORY

and then start and test the application. Close the Code Editor window and then close the solution. (See Appendix B for the answer.)

3. In this exercise, you modify one of the Fitness Spa Health Club applications coded in the chapter. Use Windows to make a copy of the Fitness Solution–Select Case folder. Save the copy in the ClearlyVB2012\Chap10 folder. Rename the copy Modified Fitness Solution–Select Case. Open the Fitness Solution (Fitness Solution.sln) file contained in the Modified Fitness Solution–Select Case folder. The health club has added a Child membership type whose code and monthly fee are CH and \$5, respectively. Make the appropriate modifications to the interface and code. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
4. In this exercise, you modify the Olympic Medals application coded in the chapter. Use Windows to make a copy of the Olympics Solution folder. Save the copy in the ClearlyVB2012\Chap10 folder. Rename the copy Modified Olympics Solution. Open the Olympics Solution (Olympics Solution.sln) file contained in the Modified Olympics Solution folder. In addition to displaying the country's name and total number of medals, the interface should also display the number of gold, silver, and bronze medals the country won. The United States won 46 gold, 29 silver, and 29 bronze. China won 38 gold, 27 silver, and 23 bronze. Russia won 24 gold, 26 silver, and 32 bronze. Make the appropriate modifications to the interface and code. (Hint: Add some additional labels to the interface.) In addition, use the Select Case statement to code the selection structure in the btnDisplay_Click procedure. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
5. In this exercise, you modify one of the Fitness Spa Health Club applications coded in the chapter. Use Windows to make a copy of the Fitness Solution–If folder. Save the copy in the ClearlyVB2012\Chap10 folder. Rename the copy Modified Fitness Solution–If. Open the Fitness Solution (Fitness Solution.sln) file contained in the Modified Fitness Solution–If folder. Modify the interface to use radio buttons for the membership codes. Then make the appropriate modifications to the btnDisplay_Click procedure. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
6. The owner of Harry's Car Sales pays each salesperson a commission based on his or her monthly sales. The sales ranges and corresponding commission rates are shown in Figure 10-20.

Harry's Car Sales

Monthly sales (\$)	Commission rate
0 – 19,999.99	4%
20,000 – 29,999.99	5%
30,000 – 39,999.99	6%
40,000 – 49,999.99	7%
50,000 or more	9%
Less than 0	0%

Figure 10-20 Sales and rate information for Exercise 6
© Cengage Learning 2013

- a. Open the Harry Car Solution (Harry Car Solution.sln) file contained in the ClearlyVB2012\Chap10\Harry Car Solution folder. (The image in the picture box was downloaded from the Open Clip Art Library at <http://openclipart.org>.) Code the btnCalc_Click procedure so that it calculates and displays a salesperson's commission. Use the If/ElseIf/Else form of the If...Then...Else statement. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.

ADVANCED

236

15. Johnson Supply wants an application that displays the total price of an order. The price is based on the number of units ordered and the customer's status (either wholesaler or retailer). Use radio buttons to indicate the customer's status. The price per unit is shown in Figure 10-28. Create a Visual Basic Windows application. Use the following names for the solution and project, respectively: Johnson Solution and Johnson Project. Save the application in the ClearlyVB2012\Chap10 folder. Change the name of the form file on your disk to frmMain.vb. If necessary, change the form's name to frmMain. Create a suitable interface and then code the application. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.

Johnson Supply

Wholesaler		Retailer	
Number of units	Price per unit (\$)	Number of units	Price per unit (\$)
1 – 4	10	1 – 3	15
5 and over	9	4 – 8	14
		9 and over	12

Figure 10-28 Information for Exercise 15
© Cengage Learning 2013

FIGURE THIS OUT

SWAT THE BUGS

16. Open the FigureThisOut Solution (FigureThisOut Solution.sln) file contained in the ClearlyVB2012\Chap10\FigureThisOut Solution folder. Open the Code Editor window and study the btnDisplay_Click procedure. What task does the procedure perform? What are the rules for charging the various rates? Test the application to verify that your answers are correct. Close the Code Editor window and then close the solution.
17. Open the SwatTheBugs Solution (SwatTheBugs Solution.sln) file contained in the ClearlyVB2012\Chap10\SwatTheBugs Solution folder. The application should display a shipping charge that is based on the total price entered by the user, as shown in Figure 10-29. Start the application. Test the application using the following total prices: 100, 501, 1500, 500.75, 30, and 1000.33. You will notice that the application does not display the correct shipping charge for some of these total prices. Open the Code Editor window and study the code. Locate and correct the errors in the code. Close the Code Editor window and then close the solution.

Total price	Shipping (\$)
Less than \$1	0
At least \$1, but less than \$100	5
At least \$100, but less than \$501	10
At least \$501 but less than \$1,001	12
At least \$1,001	14

Figure 10-29 Information for Exercise 17
© Cengage Learning 2013