

5. If the `intUnits` and `dblPrice` variables contain the numbers 5 and 12.45, respectively, the `intUnits > 0 AndAlso dblPrice > 0 AndAlso dblPrice < 10` expression evaluates to _____.
- True
 - False
6. Which of the operators in the expression `6 + 7 * 3 > 25 - 2` is evaluated first?
- +
 - *
 - >
 -
7. Which of the following determines whether the `radAddition` radio button is selected?
- If `radAddition.Checked = True` Then
 - If `radAddition.Checked = Yes` Then
 - If `radAddition.Selected = On`
 - If `radAddition.Selected = True`
8. What is the minimum number of radio buttons in a group?
- one
 - two
 - three
 - There is no minimum.
9. The expression `8 >= 4 + 6 OrElse 5 > 6 AndAlso 4 < 7` evaluates to _____.
- True
 - False
10. The expression `5 * 4 > 6 ^ 2 AndAlso True OrElse False` evaluates to _____.
- True
 - False

Exercises

- Open the Total Due Solution (Total Due Solution.sln) file contained in the `ClearlyVB2012\Chap09\Total Due Solution-Version 1` folder. Modify the `btnCalc_Click` procedure so that it calculates a 10% discount not only for employees, but for any customer whose quantity ordered is at least 10. Save the solution and then start and test the application. Close the Code Editor window and then close the solution. (See Appendix B for the answer.)
- Open the Total Due Solution (Total Due Solution.sln) file contained in the `ClearlyVB2012\Chap09\Total Due Solution-Version 2` folder. Sam's company now gives a 12% discount to employees. Non-employees ordering more than 20 items receive a 5% discount. Modify the `btnCalc_Click` procedure. Save the solution and then start and test the application. Close the Code Editor window and then close the solution. (See Appendix B for the answer.)
- In this exercise, you modify the ABC Company application coded in the chapter. Use Windows to make a copy of the ABC Solution folder. Save the copy in the `ClearlyVB2012\Chap09` folder. Rename the copy Modified ABC Solution. Open the ABC Solution (ABC Solution.sln) file contained in the Modified ABC Solution folder. Open the Code Editor window and locate the `btnCalc_Click` procedure. The selection structure's condition determines whether the hours worked are in the acceptable range. Modify the condition so

TRY THIS

TRY THIS

MODIFY THIS

8. Westmoreland Water Department wants an application that calculates a customer's monthly water bill. The clerk will enter the current and previous meter readings. The application should calculate and display the number of gallons of water used and the total charge for the water. The charge for water is \$6 per 1000 gallons, or .006 per gallon. However, there is a minimum charge of \$15.65. (In other words, every customer must pay at least \$15.65.) The application should determine whether the current meter reading is greater than or equal to the previous meter reading; if it's not, the application should display N/A as both the number of gallons used and the total charge. Create a Visual Basic Windows application. Use the following names for the solution and project, respectively: Westmoreland Solution and Westmoreland Project. Save the application in the ClearlyVB2012\Chap09 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. Use the image stored in the ClearlyVB2012\Chap09\Water.png file. (The image was downloaded from the Open Clip Art Library at <http://openclipart.org>.) Code the application. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
9. In this exercise, you modify the Santini Company application coded in the chapter. Use Windows to make a copy of the Santini Solution folder. Save the copy in the ClearlyVB2012\Chap09 folder. Rename the copy Modified Santini Solution. Open the Santini Solution (Santini Solution.sln) file contained in the Modified Santini Solution folder. The company now offers a Student edition that retails for \$399.99. In addition, the company has mailed a coupon to a select number of students. The coupon gives them 20% off the price of the Student edition. Modify the application's interface and code. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
10. Ms. Henderson teaches fourth grade. She wants an application that provides text boxes for her to enter two integers. The application should use both integers to calculate and display one of the following: the sum, the difference, or the product. When calculating the difference, the application should always subtract the smaller integer from the larger one. If necessary, the application should swap the text box values so that the larger integer is always in the first text box. Create a Visual Basic Windows application. Use the following names for the solution and project, respectively: Math Solution and Math Project. Save the application in the ClearlyVB2012\Chap09 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.
11. Kerry Cable Company wants an application that calculates and displays a customer's monthly cable bill, which is based on the information shown in Figure 9-20. Use radio buttons for the different packages, and use check boxes for the Additional features. Create a Visual Basic Windows application. Use the following names for the solution and project, respectively: Kerry Cable Solution and Kerry Cable Project. Save the application in the ClearlyVB2012\Chap09 folder. Change the name of the form file on your disk to frmMain.vb. If necessary, change the form's name to frmMain. Create the 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.