

# ***An Introduction to Programming Using Microsoft Visual Basic .NET***

## **Errata to the First Printing**

- Page 5-10 Second paragraph, last sentence should read “When either a static or global variable can....”
- Page 6-7 Review 2, step 3, part (d) code should display all constant names in uppercase except for the prefix that indicates the data type: two occurrences of strTITLE, two occurrences of strPROMPT, and four occurrences of strFLAG.
- Review 2, step 3, part (d) first statement in the **Do...Loop** statement should read **Dim** strTempScore **As String** = InputBox(strPROMPT, strTITLE)
- Page 6-8 Review 3, first sentence should read “...user for a number greater than or equal to 3 and....”
- Page 7-18 Third paragraph, first sentence should read “A function is a better ... task that results in a single value is to be performed.”
- Page 7-19 Review 7, step 3, part (c) code should display both constant names in uppercase except for the prefix that indicates the data type: three occurrences of sngLOWESTSCORE and three occurrences of sngHIGHESTSCORE.
- Page 8-4 Section 8.6, second paragraph, second sentence should read “For example, “\$45” returns True.”
- Section 8.6, second paragraph, third sentence should read “However, the Val() function returns 0 for “\$45” because \$ is not recognized.”
- Page 8-8 Third bulleted item, Sorted, second sentence should be deleted. The property is available in the Design window and at run time.
- Page 8-11 Fourth bulleted item, Sorted, second sentence should be deleted. The property is available in the Design window and at run time.
- Page 8-31 Critical Thinking question 15, part (c) should read “If the list was sorted, where would the statement **Me.lstTest.Items.Add("Fourth")** place....”
- Page 8-32 Critical Thinking question 20, part (a), third sentence should read “The Remove button should move a selected item from....”
- Critical Thinking question 21, part (a) should read “An object with Enabled set to False is not displayed on the form at run time.”
- Critical Thinking question 21, part (e) should read “Val(“\$100”) returns 100.”
- Page 8-37 Exercise 11, part (a), first sentence should read “...is the semiperimeter (half the perimeter).”
- Page 8-39 Exercise 13, second sentence should read “For example, this formula ... growth in a region or for estimating cell growth in a lab experiment.”
- Page 8-40 Exercise 16 (advanced), first sentence should read “The formula used in Exercise 13 for growth problems can also be used in decay problems.”
- Exercise 16 (advanced), first bulleted item should read “calculate the final amount: ne<sup>kt</sup>.”

- Page 8-40 Exercise 16 (advanced), third bulleted item should read “calculate the constant (called the half-life):  $(\log(y/n)) / t$ .”
- Page 9-3 Review 1, step 3, part (c) code, second statement should read “**Dim** strStuNames(intNUMNAMES - 1) **As** String.”
- Page 9-12 Fourth paragraph should read “A **ReDim** statement can be used to ... the number of dimensions in an array cannot be changed once declared.”
- Page 9-21 Case Study code, Private Sub ProcessOrder first statement should read “**Static** stcLucyMenu(intMAXFOODITEMS - 1) **As** MenuItem.”
- Page 9-23 Section 9.11, first paragraph, array declaration should display commas at the end of lines one and two and “btn” before Item2:

```
Dim btnItems() As Button = {Me.btnItem0, Me.btnItem1, Me.btnItem2, _  
Me.btnItem3, Me.btnItem4, Me.btnItem5, Me.btnItem6, Me.btnItem7, _  
Me.btnItem8}
```

- Page 9-24 Review 8, first sentence should read “Modify the Lucy’s Cuban Cafe application to include a dimmed button that displays English when the application is started.”
- Review 8, third sentence should read “Refer to the sidebar on the previous page to determine the English names of the menu items.”
- Review 8, after the third sentence should read “Clicking the New Order button should enable the language button.”
- Page 9-27 Critical Thinking question 4, part (d) should read “...a declaration for an array named stcTopActionMovies that stores information for 50 movies.”
- Critical Thinking question 4, part (e) should read “...element of the stcTopActionMovies...”
- Critical Thinking question 5, part (b) should read “strNames() which initially contains zero elements.”
- Page 9-28 Critical Thinking question 7, part (e) the enumerated type constant Duece should be Deuce.
- Critical Thinking question 7, part (f) second comment should read “FindNumDays() uses a linear search to return number of days.”
- Page 9-30 Critical Thinking question 12, part (c) first line of code in **For...Next** statement should read “**For** MyPet = AnimalType.Bird **To** AnimalType.Fish.”
- Critical Thinking question 14, part (d) should read “...have its size indicated in parentheses.”
- Page 10-7 Review 4, step 4, part (c) should read “Add code so that fish.bmp is displayed as the form....”
- Page 10-14 Review 7, step 2, the table below the form should read “Draw Shapes” for the Text property of the Form1 object.
- Page 10-30 Critical Thinking question 12, part (a) should read “...a form starting at coordinates (50, 70).”
- Critical Thinking question 13, part (b) should read “Modify the statements in part (a) to use the **Point** structure to produce the same output.”

Page 10-33 Exercise 8, fourth sentence should read “Use the Save As command to save the first image to the bin folder of the project and then use the Erase Tool to erase the last character.”

Exercise 8, sixth sentence should read “Continue the process until only one character in...”

Page 11-16 Fourth paragraph, last sentence should read “...should be declared **Protected** so that they are accessible to the derived class.”

Page 11-25 Triangle class code, property declaration for c() should read:

```
Property c() As Single
  Get
    Return SideC
  End Get
  Set(ByVal Value As Single)
    SideC = Value
  End Set
End Property
```

Page 11-31 Critical Thinking question 1, last sentence in directions should read “Fill in the blanks with either methods or properties.”

Critical Thinking question 2, first sentence should read “Imagine a band festival where many music bands are playing—the TwoToos, the EggRolls, and Goop.”

Critical Thinking question 6, part (f) should read “a method of a class that can be called by an object of the class.”

Page 11-36 Exercise 3, the sentence following the bulleted list should read “The Test DynamicArray ap- plication should contain the event procedure below:”

Page 11-37 Exercise 4, second sentence should read “Use a Pizza class to instantiate new Pizza objects.”

Exercise 4, first bulleted item should display both field names in uppercase: “REGULARPRICE and LARGEPRICE fields that store values of 6 and 10 respectively (for \$6 and \$10).”

Page 11-38 Exercise 5, first sentence should read “Create a Name Options application that prompts the...”

Exercise 6, bulleted list should display the four field member names in uppercase: three occurrences of INCHCENTFACTOR, three occurrences of FEETCENTFACTOR, three occurrences of YARDMETERFACTOR, and three occurrences of MILEKILOFACTOR.

Page 12-23 Review 7, the last three sentences can be deleted because they are unnecessary.

Page 12-27 Critical Thinking question 8, part (a) should read “What does the following code accomplish if file.csv contains lines with two fields: a student name and an average?”

Critical Thinking question 8, part (a) code should read:

```
Do While TextFile.Peek > -1
  ...
  If Val(strE) >= Val(strInput) Then
    Me.txtFileContents.Text = Me.txtFileContents.Text & strL.Substring(0, intP) & _
      vbTab & strE & vbCrLf
  End If
Loop
  ...
```

Page 12-27 Critical Thinking question 9 steps (k) through (n) should be steps lettered (j) through (m).

Page 12-29 Exercise 3, first bulleted item, second sentence should read "For example:

Gloria Martin's job is to % all of the #."

Exercise 3, third bulleted item, second sentence should display each noun as plural: bananas, sopranos, and vegetables.

Page 12-31 Exercise 6 should read "Create a Quiz Results application that appends records containing a student name and his or her five true/false quiz answers to a file named stuquizzes.txt. If the student file does not exist, one should be created. The records should be written with the student name on one line followed by a single T or F answer on the next five lines. The file, quizanswers.txt, stores the five correct T/F answers to the quiz and can be created in a text editor. The application should include a File menu with Add Student, Clear Records...."

Page 13-16 Critical Thinking question 1 should read "Let 4, 6, 2, 10, 9 be a set of numbers to be sorted in ascending order."

Critical Thinking question 5 should read "The DateTime structure also contains a Second property. A very large set of data may require seconds, rather than milliseconds, to order. Write a set of statements that checks the Second property of a DateTime variable. If the seconds are 0, then the Millisecond property should be checked."

Critical Thinking question 6, second sentence should read "The following procedure uses a binary search algorithm ... where strInsertNew belongs and inserts it in the correct position."

Page 13-17 Exercise 2 the sentence "The application should include a File menu with Enter Data and Exit commands." should be added before the last sentence of the directions.

Page 14-11 Review 4, step 1, part (d) should read "Set the FormBorderStyle property to FixedDialog."

Page 14-30 Critical Thinking question 11, part (c) should read "...form and leave a child form open."

Page 15-11 Section 15.9 last sentence should read "...to continually be sent to a server, which could...."

Page 15-13 Review 5, step 3 directions should read "Refer to the form on the next page to add, position, and size objects. Use the table below the form to set properties."

Page 15-15 Chapter Summary fifth paragraph, third sentence should read "Web Forms controls include the Label control, the Button control, the TextBox control...."

Chapter Summary seventh paragraph icon in the margin should be the Start button.

Page 15-18 Critical Thinking question 3, second sentence should read "...hyperlink, a new Web form page is not displayed as expected."

Critical Thinking question 10, part (b) should read "What is assigned to the keywords property will be the words that search engines look for."

Page I-4 "Date" entry should read "Date 4-7, 12-15."

Page I-8 "S" entry "staetment, dividing" should read "statement, dividing."