1. Record Nr. UNINA9910151657803321

Autore Gaddis Tony

Titolo Starting out with visual basic 2012 / / Tony Gaddis, Kip Irvine

Pubbl/distr/stampa Harlow, England:,: Pearson Education, Limited,, [2014]

©2014

ISBN 0-273-79342-X

Edizione [Sixth edition.]

Descrizione fisica 1 online resource (914 pages) : illustrations, tables

Collana Always Learning

Disciplina 005.268

Soggetti Visual Basic (Computer program language)

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Includes index.

Nota di contenuto Co

Cover -- Contents -- Preface -- Chapter 1 Introduction to Programming and Visual Basic -- 1.1 Computer Systems: Hardware and Software -- 1.2 Programs and Programming Languages -- TUTORIAL 1-1: Running the Wage Calculator application -- TUTORIAL 1-2: Running an application that demonstrates event handlers -- 1.3 More about Controls and Programming -- TUTORIAL 1-3: Running an application that demonstrates various controls -- 1.4 The Programming Process -- 1.5 Visual Studio and Visual Studio Express (the Visual Basic Environment) -- TUTORIAL 1-4: Starting Visual Studio and setting up the environment -- TUTORIAL 1-5: Starting a new Visual Basic project -- TUTORIAL 1-6: Becoming familiar with the Visual Studio environment -- Summary -- Key Terms -- Review Questions and Exercises -- Programming Challenges -- Chapter 2 Creating Applications with Visual Basic -- 2.1 Focus on Problem Solving: Building the Directions Application -- TUTORIAL 2-1: Beginning the Directions application -- TUTORIAL 2-2: Adding a Label control to the Directions application -- TUTORIAL 2-3: Changing the Label's font size and style -- TUTORIAL 2-4: Deleting a control -- TUTORIAL 2-5: Inserting a PictureBox control -- TUTORIAL 2-6: Running the application -- TUTORIAL 2-7: Opening an existing project and becoming familiar with the Properties window -- 2.2 Focus on Problem Solving: Responding to Events -- TUTORIAL 2-8: Adding a Label control for the written directions -- TUTORIAL 2-9: Adding the Display Directions button and its Click event handler -- TUTORIAL 2-10:

Adding the Exit button and its Click event handler -- TUTORIAL 2-11: Adding comments to the Directions project code -- TUTORIAL 2-12: Changing the text colors -- TUTORIAL 2-13: Setting the FormBorderStyle property and locking the controls in the Directions application -- 2.3 Modifying a Control's Text Property with Code. TUTORIAL 2-14: Examining an application that displays messages in a Label control -- 2.4 The AutoSize, BorderStyle, and TextAlign Properties -- 2.5 Displaying User Messages -- TUTORIAL 2-15: Displaying message boxes -- 2.6 Clickable Images -- TUTORIAL 2-16: Writing Click event handlers for PictureBox controls -- 2.7 Using Visual Studio Help -- 2.8 Debugging Your Application -- TUTORIAL 2-17: Locating a compile error in design mode -- Summary -- Key Terms --Review Questions and Exercises -- Programming Challenges --Chapter 3 Variables and Calculations -- 3.1 Gathering Text Input --TUTORIAL 3-1: Using a TextBox control -- TUTORIAL 3-2: Building the Date String application -- TUTORIAL 3-3: Using the Focus method --TUTORIAL 3-4: Changing the tab order -- TUTORIAL 3-5: Setting access keys, accept, and cancel buttons -- 3.2 Variables and Data Types -- TUTORIAL 3-6: Assigning text to a variable -- 3.3 Performing Calculations -- 3.4 Mixing Different Data Types -- TUTORIAL 3-7: Examining a Simple Calculator application -- 3.5 Formatting Numbers and Dates -- TUTORIAL 3-8: Examining the Format Demo application -- 3.6 Class-Level Variables -- 3.7 Exception Handling -- TUTORIAL 3-9: Exception Demonstration -- TUTORIAL 3-10: Salary Calculator project with exception handling -- 3.8 Group Boxes -- 3.9 The Load Event -- 3.10 Focus on Program Design and Problem Solving: Building the Room Charge Calculator Application -- TUTORIAL 3-11: Beginning the Room Charge Calculator application -- TUTORIAL 3-12: Changing a label's colors -- 3.11 More about Debugging: Locating Logic Errors --TUTORIAL 3-13: Single-stepping through an application's code at runtime -- Summary -- Key Terms -- Review Questions and Exercises -- Programming Challenges -- Chapter 4 Making Decisions -- 4.1 The Decision Structure -- 4.2 The If...Then Statement. TUTORIAL 4-1: Examining an application that uses the If...Then statement -- 4.3 The If...Then...Else Statement -- TUTORIAL 4-2: Completing an application that uses the If...Then...Else statement --4.4 The If...Then...Elself Statement -- TUTORIAL 4-3: Completing an application that uses the If...Then...Elself statement -- 4.5 Nested If Statements -- TUTORIAL 4-4: Completing an application with a nested If statement -- 4.6 Logical Operators -- 4.7 Comparing, Testing, and Working with Strings -- TUTORIAL 4-5: Examining an application that performs string comparisons -- TUTORIAL 4-6: Completing a string searching application -- 4.8 The Select Case Statement -- TUTORIAL 4-7: Examining Crazy Al's Sales Commission Calculator application --4.9 Introduction to Input Validation -- TUTORIAL 4-8: Examining an application that uses TryParse for input validation -- 4.10 Focus on GUI Design: Radio Buttons and Check Boxes -- TUTORIAL 4-9: Completing an application with radio buttons and check boxes -- 4.11 Focus on Program Design and Problem Solving: Building the Health Club Membership Fee Calculator Application -- TUTORIAL 4-10: Building the Health Club Membership Fee Calculator application -- Summary -- Key Terms -- Review Questions and Exercises -- Programming Challenges -- Chapter 5 Lists and Loops -- 5.1 Input Boxes -- 5.2 List Boxes --TUTORIAL 5-1: Creating list boxes -- 5.3 Introduction to Loops: The Do While Loop -- TUTORIAL 5-2: Completing an application that uses the Do While loop -- TUTORIAL 5-3: Modifying the Do While Demo application to use a posttest loop -- TUTORIAL 5-4: Using a loop to keep a running total -- TUTORIAL 5-5: Examining an application that

uses a user-controlled loop -- 5.4 The Do Until and For...Next Loops -- TUTORIAL 5-6: Examining an application that uses the Do Until loop.

TUTORIAL 5-7: Examining an application that uses the For...Next loop -- TUTORIAL 5-8: Completing an application that uses the For...Next loop -- 5.5 Nested Loops -- 5.6 Multicolumn List Boxes, Checked List Boxes, and Combo Boxes -- TUTORIAL 5-9: Creating combo boxes --5.7 Random Numbers -- TUTORIAL 5-10: Creating the Coin Toss application -- 5.8 Simplifying Code with the With...End With Statement -- 5.9 ToolTips -- TUTORIAL 5-11: Adding ToolTips to an application -- 5.10 Focus on Program Design and Problem Solving: Building the Vehicle Loan Calculator Application -- TUTORIAL 5-12: Building the Vehicle Loan Calculator application -- Summary -- Key Terms --Review Questions and Exercises -- Programming Challenges --Chapter 6 Procedures and Functions -- 6.1 Procedures -- TUTORIAL 6-1: Examining an application with a procedure -- TUTORIAL 6-2: Creating and calling procedures -- 6.2 Passing Arguments to Procedures -- TUTORIAL 6-3: Examining an application that demonstrates passing an argument to a procedure -- TUTORIAL 6-4: Working with ByVal and ByRef -- 6.3 Functions -- TUTORIAL 6-5: Sale Price Calculator application -- 6.4 More about Debugging: Stepping Into, Over, and Out of Procedures and Functions -- TUTORIAL 6-6: Practicing the Step Into command -- TUTORIAL 6-7: Practicing the Step Over command -- TUTORIAL 6-8: Practicing the Step Out command --6.5 Focus on Program Design and Problem Solving: Building the Bagel and Coffee Price Calculator Application -- TUTORIAL 6-9: Building the Bagel House application -- Summary -- Key Terms -- Review Questions and Exercises -- Programming Challenges -- Chapter 7 Multiple Forms, Modules, and Menus -- 7.1 Multiple Forms --TUTORIAL 7-1: Creating an application with two forms -- TUTORIAL 7-2: Completing an application that displays modal and modeless forms -- TUTORIAL 7-3: Accessing a control on a different form. 7.2 Modules -- TUTORIAL 7-4: Examining an application that uses a module -- 7.3 Menus -- TUTORIAL 7-5: Building a menu -- 7.4 Focus on Problem Solving: Building the High Adventure Travel Agency Price Quote Application -- TUTORIAL 7-6: Building the High Adventure Travel Agency Price Quote application -- Summary -- Key Terms --Review Questions and Exercises -- Programming Challenges --Chapter 8 Arrays and More -- 8.1 Arrays -- TUTORIAL 8-1: Using an array to hold a list of random lottery numbers -- TUTORIAL 8-2: Using an array to hold a list of names entered by the user -- TUTORIAL 8-3: Completing an application that uses array elements in a calculation --8.2 Array Processing Techniques -- TUTORIAL 8-4: Using parallel arrays -- 8.3 Procedures and Functions That Work with Arrays --TUTORIAL 8-5: Examining an application that passes an array to procedures and functions -- 8.4 Multidimensional Arrays -- TUTORIAL 8-6: Completing the Seating Chart application -- 8.5 Focus on GUI Design: The Enabled Property and the Timer Control -- TUTORIAL 8-7: The Timer Demo -- TUTORIAL 8-8: Creating the Catch Me game -- 8.6 Focus on GUI Design: Anchoring and Docking Controls -- 8.7 Focus on Problem Solving: Building the Demetris Leadership Center Application -- TUTORIAL 8-9: Building the Demetris Leadership Center Sales Reporting application -- 8.8 Using Lists to Hold Information (Optional Topic) -- TUTORIAL 8-10: Building a List from User Input -- Summary -- Key Terms -- Review Questions and Exercises -- Programming Challenges -- Chapter 9 Files, Printing, and Structures -- 9.1 Using Files -- TUTORIAL 9-1: Completing an application that writes data to a file -- TUTORIAL 9-2: Completing an application that reads a file --

TUTORIAL 9-3: Examining an application that detects the end of a file. 9.2 The OpenFileDialog, SaveFileDialog, FontDialog, and ColorDialog Controls.

Sommario/riassunto

In Starting Out with Visual Basic 2012, Tony Gaddis and Kip Irvine take a step-by-step approach, helping students understand the logic behind developing quality programs while introducing the Visual Basic language. Fully-updated throughout, the 2012 edition also includes an extensive set of VideoNotes, including walk-throughs of many of the in-chapter tutorials. Each new student edition comes with a Visual Studio 2012 Express software package. **NEW!** This edition is available with MyProgrammingLab, an innovative online homework and assessment tool. Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming. Note: If you are purchasing the standalone text or electronic version, MyProgrammingLab does not come automatically packaged with the text. To purchase MyProgrammingLab, please visit: myprogramminglab.com or you can purchase a package of the physical text + MyProgrammingLab by searching the Pearson Higher Education web site. MyProgrammingLab is not a self-paced technology and should only be purchased when required by an instructor.