The objective of this lab is to introduce you to writing selection statements C# code.  You'll use both if and switch statements.  You'll also review reading and writing programming logic using pseudocode.

Part 1

Complete tutorials 4-1 through 4-6 in the textbook.  The UIs have been provided for you. You just need to create the event handlers and write the code that goes in them.   
  
Note: The textbook author has provided a videos of him doing each tutorial at www.pearsonhigehered.com/gaddis.  Feel free to view the video to help you do the tutorials.

Part 2

Complete the following Programming Problems from the end of Chapter 4 in the textbook.

**1. Roman Numeral Converter**

Create an application that allows the user to enter an integer between 1 and 10 into a TextBox control. The program should display the Roman numeral version of that number. If the number is outside the range of 1 through 10, the program should display an error message.

The following table lists the Roman numerals for the numbers 1 through 10. (Gaddis 261)

Number Roman Numeral

1 I

2 II

3 III

4 IV

5 V

6 VI

7 VII

8 VIII

9 IX

10 X

**3. Magic Dates**

The date June 10, 1960, is special because when it is written in the following format, the month times the day equals the year:

6/10/60

Create an application that lets the user enter a month (in numeric form), a day, and a two-digit year. The program should then determine whether the month times the day equals the year. If so, it should display a message saying the date is magic. Otherwise, it should display a message saying the date is not magic. (Gaddis 262)

**9. Change for a Dollar Game**

Create a change-counting game that gets the user to enter the number of coins required to make exactly one dollar. The program should let the user enter the number of pennies, nickels, dimes, and quarters. If the total value of the coins entered is equal to one dollar, the program should congratulate the user for winning the game. Otherwise, the program should display a message indicating whether the amount entered was more than or less than one dollar. (Gaddis 264)

Gaddis, Tony. *Starting out with Visual C# 2012 (with CD-Rom), 3/e, 3rd Edition*. Pearson, 06/2013. VitalBook file.