

CIS 1400: Programming and Logic Technique Lab Assignment

Name: _____

Lab Assignment	#2 – Simple Data Types and the Sequential Control Structure
Due Date (beginning of class)	09/10/2012
Points	Pay Calculator Flowchart _____ / 10 pts. Software Development Research _____ / 10 pts. Multiple Choice _____ / 10 pts. Tax, Tip, and Total Flowchart _____ / 15 pts. Total _____ / 45 pts.

Lab Assignment #2 Activities

1. Create the flowchart for the pay calculating program (See Figure 2-2 on page 31). This exercise will be done together as an in-class exercise. Attach a hardcopy of the labeled (with your name, date, class, and assignment number) flowchart to this lab cover sheet. (10 points)

☐ Completed

2. There have been several documented approaches to the software development process over the years. Using the Internet, research a models of software development (not the one in your textbook) to understand the following points:
 - What are the ordered steps of development?
 - How is it similar/different than the model described in the textbook and depicted in Figure 2-1 on page 28?

a) In your own words, create a short paragraph that covers the above points in a grammatically correct, concise and logically flowing manner. Create a posting of this research on the Discussion Board under the Forum titled “**Software Development Models (Lab #2)**”. Include the link to where you found your information on the Web. Only the **first three** postings for any software development processes will get credit, **so post early!** ☺ (10 points)

☐ Completed

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3. Answer the following **Chapter 2 Multiple Choice Review Questions** on pages 71 to 74 of your textbook. *(10 points)*

Question Number	Your Answer
1	
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4. Design a program to solve **Chapter 2 Programming Exercise 8 (Tip, Tax, and Total)** on page 78. Use a flowchart to implement your solution. Use named constants to represent the percent tip and sales tax. Attach a copy of your flowchart to this lab coversheet (**be sure to label the hardcopy with your name, date, class, and lab assignment number**). *(15 points)*