

COSC 120 – Lab #6

Design or not Design.

Purpose: Approaching problems a different way.

Tasks:

- 1.) Listen carefully to the TA as she talks about the benefits of putting pen to paper before coding a solution. Ask questions.
- 2.) Take a pen (or pencil) out and write out a pseudo-code approach for the following while loop oriented problem. If you need to, you can use the computer for the writing portion.
- 3.) Here's the problem (Exercise 4.21 in the book): The process of finding the largest value of a given group of values is used frequently in computer applications. For example, a program that determines the winner of a sales contest would input the number of units sold by each salesperson. The salesperson who sold the most units wins.

Write the method that would take in how many salespeople participated in the contest, then for each salesperson enter how many units they sold and then print the largest number.

You will need these variables:

- a.) counter: an integer to keep track of how many salespeople have been processed.
 - b.) number: the most recently inputted number by the user.
 - c.) largest: the largest number found so far.
- 4.) Show your pseudo-code to the TA. Over the weekend, code your solution from your pseudo-code and email your java code solution to the TA. The java code solution is due by the start of class on Monday.

Things needed: Pen, paper, creativity.