**::CIS 25 Fall 2016:: Assignment 6 Nested If If Else Ladder Whiteboarding Paired Programming**

**Student ID:**

**If Else Ladder -**

Information on “Whiteboarding”:

**Video describing PseudoCode and White Boarding.**

**https://www.youtube.com/watch?v=4G0EYfrrDT8**

Pseudocode-

Is not concerned with syntax

What is “whiteboarding”?

As a new programmer why is white boarding important?

Provide 2 Online Links to resources you found on the internet to help you understand Pseudocode

**https://www.youtube.com/watch?v=vgkahOzFH2Q**

**Paired Programming-**

**Why is paired programming used in industry?**

To help catch errors that may have otherwise been missed.

Provide 2 Online Links to resources you found on the internet to help you understand Paired programming-

**No need to complete the following section.**

**Coding Thought Process:**

Variables needed (values)?

Variables initialized

Variables assigned value

Code Blocks Needed (Structure)

Control or Flow of Program (Design / Order)

Code Blocks Created

Data Structures needed (how will multiple values be stored / represented)?

Data Structures initialized

Data Structures assigned value

**LAB ASSIGNMENT**

**Task 1:**

**Create a program that will calculate your weight on Mercury, Venus, Mars, and Earth’s moon.**

**Label the output so it is clear your weight on each independent planetary body.**

**If the user inputs a weight that is 0 or less the 0, the program should prompt the user “Invalid Weight” and stop execution.**

**Work with a partner or a small group. - Write your Partner's name:**

**Please attach snipping photo of your pseudocode / whiteboarding.**

**Update your program to prompt the user for a second Integer input if the initial value for weight is valid. The input will correspond to the values the user wants to output.**

**(Use nested if statements and if else ladder to accomplish the task.)**

**For example = if weight is valued user will be prompted.**

Enter 1. For Mercury Weight

(After the user enters 1 the program will output weight converted to Mercury weight. )

Enter 2. For Venus Weight

(After the user enters 1 the program will output weight converted to Venus weight. )

Enter 3. For Mars Weight

Enter 4. For Earth Weight

Enter 5: For all Conversions

**Attach a snipping photo of the source code and output**

**(You are welcome to use the IDE or the Notepad text editor.)**