**::CIS 25 Fall 2016:: Assignment 12 Functions**

**Student ID:**

Functions: Are code blocks. One required in CPP is “main(){}”

Return function- Gives a value at the end of a function.

Why have we been using return 0 as a line of code in main? Main’s function requires an integer.

void function- Returns no value

Why do we break our programs into small pieces?  
To make them easier to maintain

Why do we want to restrict the function where we bring in input?

To help with reusability.

How do we pass values between functions?

By calling the function and inserting values in the parentheses.

Arguments- Values a function takes when it is called

Parameters- Created when the function is and are placeholders for the values that will be input into a function when it is called.

**LAB ASSIGNMENT**

**Update your previous program.**

**Create independent return functions that calculate each planetary body independently.**

**In main() create a menu that controls the program.**

**The program should bring receive input only in main() and pass values to other parts of the program.**

**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.**

* **Update your program to prompt the user for input instead of assigning the values to variables.**
* **If the user input for weight is 0 or less than prompt the user “Input 0 or less than 0.**

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

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



