**::CIS 25 Fall 2016:: Assignment 13 MoreFunctions Calculate Interest**

**Student ID:**

**LAB ASSIGNMENT**

**Interest Rate + Principal Calculator**

**Create a program that will that will calculate Yearly Interest or Compound Interest on a starting principal.**

**Accept user input in dollars$ in main(). Program should not run if dollar amount > 0. Prompt user and exit the program.)**

**Your program will have a menu.**

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**\* Main Menu: \***

**\* Enter # to run program or Quit \***

**\* 1) Yearly Interest Calculator \***

**\* 2) Compound Interest Calculator \***

**\* 3) Quit \***

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**Yearly Interest Function: Create a function that accepts 3 arguments.**

1 argument will represent **savings**

1 argument will represent **years**

1 argument will represent **interest rate.**

**Function will output each year's principal value. (Output will not be one singular value, but each year’s value.) So if years == 10, there will be 10 outputs.**

**Compound Interest Function: Create a function that accepts 4 arguments. (Research on compound interest is required.)**

1 argument will represent **savings**

1 argument will represent **years**

1 argument will represent **interest rate.**

1 argument will represent **number of times it is compounded.**

**Please attach snipping photos of Whiteboard/psuedocode, source code, and output from each function.**

**Sample:**

Please enter $ in savings.

3334

Please enter number of years.

3

Please enter number of years.

1.0

Year 1 = $3367.34

Year 2 = $3401.01

Year 3 = $3435.02

**Sample:**

Please enter $ in savings

3334

Please enter number of years

1

Please enter interest rate

1.0

Number of times compounded

3

Principle Compounded 1 = $3367.34

Principle Compounded 2 = $3401.01

Principle Compounded 3 = $3435.02