
CECS 174 – LAB ASSIGNMENT 1

OBJECTIVES:

- Able to use a Python 3.x IDE to build Python program(s)
- Able to use pseudocode to design an algorithm to solve a problem
- Write Python code following the algorithm.

INSTRUCTIONS:

There are many algorithm patterns and one is “Input-Process-Output” pattern. This pattern can be applied to solve problems that requires calculation. For example, the program

- 1- asks user to enter a Fahrenheit temperature, (input)
- 2- convert the input into a Celsius temperature, (process)
- 3- display the temperature in Celsius degree, (output)

For Lab Assignment 1, you are required to create an app that calculates the BMI index. The app should

- 1- Accept weight of a person in pounds and the height of a person in inches.
- 2- Calculate the BMI index using the following formula, (it is already in Python syntax)
(weight * 703) / (height * height)
- 3- Display the BMI index as the output of the app.

Use the following data to test your app:

H in "	W in lbs	BMI
72	200	27.12
60	140	27.34
64	180	30.89
66	150	24.21

TURN IN

- Turn in your code and images of your test runs.
- Save your Word document or Google document in **PDF format**. Upload to the BeachBoard account of this class.