Assignment 1

Part 1.1 (8. pt)

“will this line be display ” -> did the student try this and answer the question?

Part 1.2 (8 pt)

Help displayed

Welcome displayed

Part 1.3 (9 pt)

Student added all the imports as described

Part 2.1 (13 pts)

Function name defined – does not clash with predefined function or symbol names

Function syntax and tab alignment

Function appears to work

Function handles the boundaries of N>= 1

Function was tested (no test code then -2 pts)

Part 2.2 (12 pts)

Function name is correct and matches instructions

Iterates thru the list completely

Builds the result and returns a list of the result

Displays the answer to match

The decimals on the 2nd and 3rd number does not need the decimal.

Minus 1 if no attempt to reduce the looping from 3 to 1

Part 3.1 (2 pt)

The use of np.array or python array

Part 3.2 (3pt)

Adding the two array without for loop

Display the answer

Minus 1 if you tried to use looping more than once

Part 3.3 (15pt)

Defined function name correctly

Convert the list into numpy array

Displayed the running of the same data from 2.2

Part 3.4 (5 pt)

Using the correct list or array for each function call

Display of the time statistic for each function call.

Part 4

Was a python function used for the Y value (5pt)

Was the linespace function with used for the data points (5pt)

Used plt.axis (1pt)

Used plt.xticks (1pt)

Used x label, (1pt)

Used y label, (1pt)

and title (1pt)

Are the 30 points and end points used? (5pt)

Did the plot display (5pt)