**CS 161 Hands on Final Practice**

Write a program that contains a function and code to test the function.

* + Write a function:
    - When given a list, the function returns the largest increase from one item to the next item and the last duplicate numbers in a row.
    - Sample of what is meant:

Given: nums1 = [2, 4, 4, 1, 8, 8, 10]

Returns 7 for the largest increase and 8 for the last duplicate numbers in a row.

Given: nums2 = [500, 500, 400, 800, 900, 900, 1500, 700]

Returns 600 for the largest increase and 900 for the last duplicate numbers in a row.

* + Write a test program:
    - Read in the sample numbers from above and store them in a list. (Use input() but enter the numbers above)
    - Invoke the function using the list you created
    - Display the greatest increase and the last duplicate number.
  + Sample output using numbers from num1:

