

L435/L555
Fall 2016

In-class Exercise #4

- 1) Write a program that first reads in 3 names, puts them in a sorted list and then asks for another name and prints the number of this name in the list or outputs a message that the name is not in the list.
- 2) Write a program to input an integer and then output 3 different messages, depending on whether the number is: a) less than or equal to 0, b) between 1 and 10 (inclusive), or c) greater than 10. Have fun with your messages.
- 3) Read in a number and check in which decade between 1 and 100 the number is (i.e. between 1 and 10, 11 and 20, ...91 and 100). For this, you need to convert the value of input to int: `int(input('whatever'))`. Then output a suitable comment on the number.
- 4) Read in 3 numbers and output the highest one. Write two versions of the program, one using a list, and one using only two variables for storing integers. Note: for this problem, you are not allowed to use the built-in `max()` function.
- 5) Take your program for #4 and extend it so that you ask for a fourth number that is higher than the maximum value. Keep prompting the user to enter a number until they enter a higher number.