Problem Set for Day 9, 2.2

Engineering 104 - Fundamentals of Engineering Computing

Formatting, Organization & Code Comments - Complete the following problems in `Python` and include as part of the submission of the appropriate assignment. Your assignment file should include a proper heading, comments and show clear organizational structure with each problem clearly printed, separated and with each result variable clearly displayed. All problems worked should have a formatted/structured print-out. Print a string denoting each problem, with the solution to the problem clearly printed as a formatted string below the denoted problem. Separate each problem using a blank line in both the code and the printed results. Code comments should be completed throughout the file on every line of code by default. If this assignment requires you to write and submit additional auxiliary script, or any other files in the submission, please append your initials capitalized to the end of the file name.

Python, Lecture #9 Problems - Lists 1 (7 Points)

Problem 9.1 (1 Point) - Store the names of 5 of your friends, pets or family member's in a list called `names`*. Print each name by accessing each element in the list one at a time.*

Problem 9.2 (1 Point) - Use the `range()` *function to create the following list: -3, -2, -1, 0, 1, 2, 3, 4, 5, 6 and print out the result.*

Problem 9.3 (1 Point) - Use the `range()` *function to create the following list: 25, 20, 15, 10, 5, 0, -5 and print out the result.*

Problem 9.4 (1 Point) - Combine list `aa = [6,7,8,9]` *and* `bb = [3,2,34]` *to create list* `cc`

Problem 9.5 (3 Points) - Define the following list `combo2=['bad',[2,1,3],'100',20.5,'hello']`*. Print the length of the list and as a comment explain the result. Print the value* `2` *from the list by directly accessing this list element.*