Problem Set for 2/23/2024

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 #16 Problems - Data I/O I (8 Points)

Problem 16.1 (4 Points) - Complete the ***`myTripNiceIO.py`*** *exercise in textbook section 4.2. Modify the script to take additional inputs for a car's average miles/gallon, average trip speed (miles/hour) and average cost of gasoline (dollars/gallon). Call the script and run for your vehicles specifications.*

Problem 16.2 (4 Points) - Follow along and complete the coding for all steps in sections 4.3 and 4.4 of the textbook. Complete all steps within the assignment script and name all files created using a sequential convention and append your initials to each file created.