

AAI/CPE/EE 551; Sections WS and WS1

In-Class Exercise 3 Submit a Word doc (and not a .py file) to In Class Exercise Three in the Assignment Section of our Canvas course website with the answer to the following questions. (You may refer to the course lecture notes but do not work with anyone on this assignment).

Please enter your name: Joris Wilson

Question 1 (10 points) You are given the following list, L.

L = [1, 2, 3, 4, 5, 3, 4, 5, 6]

Using Python set comprehension, write the Python code to generate a set of the squares of the elements in the list. Note: there should not be any duplicates in your set.

{x ** 2 for x in L}

Question 2 (10 points) You are given the following two sets:

Engineers={'bill', 'mary', 'ed', 'matthew'}

Manager={'tom', 'mary'}

- I. Write the Python code to determine: Who is both an engineer and a manager?

Engineers & Manager

- II. Write the Python code to determine: Are all managers engineers?

Engineers > Manager