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Group: 44-3
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Homework 5 - Python Programming

HW5	Julia Sales	Anthony Overton
Coding	50% (coded half of the problems)	50% (coded half of the problems
Results	50% (ran tests and helped debug)	50% (ran tests and helped debug)
Report	50% (wrote half)	50% (wrote half)
Overall	Driver for problems: 1,3,5,7 Navigator for problems: 2,4,6,8	Driver for problems: 2,4,6,8 Navigator for problems: 1,3,5,7

How we did this assignment was that we switched off the driver and navigator roles for every other problem, therefore it would be an equal amount of coding instead of having one person code eight problems all at once.

Problem 1
Problem 1 was pretty straightforward. Very simple coding in python.There was not much debugging there. We tested this code by running "python prob1_hw5.py". Everything seems to work correctly.

Problem 2
In this problem, I learned the ways to run a python program. I was only used to running programs from a driver file, and was confused as to where the "main" function was. I learned from the class notes and my partner Julia that you can run python different ways.

Problem 3
Problem 3 was also just as straightforward as the first two problems. We tested our code to make sure it ran properly by testing sorted and unsorted lists and print statements . Everything in this problem seems to work correctly as well.

Problem 4
We did not encounter problems with this function. Everything seems to work correctly.

Problem 5
Problem 5 was slightly more challenging, but we were able to complete it by debugging with print statements.. We realized that python function defining is not similar to java or c's way of defining a function at all. Python does not allow you to have two functions that have the same

name or take in different parameters so we had to figure out how it knows what parameters it takes in.

Problem 6

Problem 7
Problem 7 was also more challenging than the rest of the previous problems, but we figured it out by writing out the logic by hand and using print statements to debug our code.

Problem 8
Problem 8 was rather difficult, in that I was having to do things that I've never done in programming, while working in a language barely know. The system path was one challenge we faced. We got through it by slowly reading the class notes and following examples. It was very difficult going into it without reading the notes first, we have to have a solid understanding before proceeding. Then, we faced a challenge of understanding the instructions for the sin and cos functions. We thought that the argument n was the number of times we are to compute the function before adding it all up. Rather, the professor told us that we use n as the degree in which to stop at. After that, we got the sin function running. The cos function was hard even though we know we were close to solving it. Our cos_appx() words for n between 0-6. Overall, I am very happy to have done this assignment because I gained a working knowledge of python. Update on 8: everything is working