ELECTRICAL ENGINEERING DEPARTMENT

COLORADO SCHOOL OF MINES

Name __Robert Schreibman____

Goal for exercise – "Introduction to Python and Raspberry Pi"

What do you know about Pi computers and Python?	List all resources and what specifically you used or learnt from that resource to complete the challenge exercises.
Here is the extend of my knowledge on both. RASPBERRY PI: Before being introduced to them, I thought they were simpler hardware more like an Arduino. Now I understand that they are fully functional computers without the built-in I/O interfacing hardware like the mouse, keyboard, and monitor. PYTHON: Python is a higher-level, object-oriented language used to create YouTube. Python is built on C. However, unlike C, python does require you to define variable types and can do a lot of implicit variable conversions for you.	For the python coding I received help from stackoverflow.com and pythonspot.com since I am not that familiar with python. From both I learned that python already had functions that could find the index of a number, the max, & the min. Before that I was coding my own for-loops to manually search the array. I used stackoverflow.com to view a few examples of people using a list comprehension since I had never heard of one until now. This helped me learn the syntax of a list comprehension which I used to solve my own problem.

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Compile a list of all documentation created. Provide file name and a short description of that file.

Intro to Python RL   A reflection log of Exercise 1 (This document)
Design Scenario Response   Contains my response to how I would go about the senior design project
Intro to Rasp.py   Contains my code for Intro to Raspberry Pi

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Provide an example of something that you would do differently or you could improve upon during the course of this exercise.

Be clearer on question 2 part d which asks to find:

The numbers that are repeated the most, and the number of times they are repeated (use a list comprehension rather than for loops to calculate)

At the time, I wasn't sure whether this wanted a list of the numbers that had appeared the absolute most or a list of numbers that had appeared more than once. I successfully coded both, but one was much harder than then other.

On a scale of 1-5, what is your comfort level with Pi computers and Python after going through this exercise? (1 being least comfortable and 5 being most comfortable).

    1   2   3   4   ⑤