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| **Goal for exercise – “Introduction to Python and Raspberry Pi”** | |
| **What do you know about Pi computers and Python?**  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. | **List all resources and what specifically you used or learnt from that resource to complete the challenge exercises.**  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. |
| **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 | |
| **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** | |