**HW 2C**

**Learning Experience**

Part 1:

The first program was not hard at all. I just needed to use a for loop to keep adding the user input. However, there were two ways to do this program that got me thinking. I could’ve used a for loop to iterate 4 times and use the method append to keep adding until the list is full of 4 variables, but I decided to initialize the list with 4 variables first since I just wanted to do the for loop in just one line:





This worked well, but I know this is not good when elements in the list is big. So, a for loop with a range would work in the case of a larger data. Then, I used the function max() to quickly find the maximum value in a list and min() to find the minimum value in the list. Finally, I use the print() statement to output the maximum and minimum values of the user. I did not encounter any issues, but just the for-loop decision making I had to make. Overall, it was a great program to make.

Part 2:

The second part of the assignment was the easier and funniest one. All I needed to do was implementing if/elif statements for the whole process of the program. One thing I needed to do was casting the user input to float to meet the requirements of the assignment. Also, another requirement for this assignment was to print an error message when the user input was out of range. So, I decided to manually throw an error since we studied this topic in this week’s module. I use raise Exception to manually throw an error:

Text

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Then, the funniest part came next. I wanted to add a phrase when prints the grades to make more user-program interactive. Overall, the assignment was fun to code and a warm-up for me.

**Part 1 Test 1**

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**Part 1 Test 2**

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