

Homework 3: Loops & File Input/Output

L555

Due Wednesday, October 4

1. Write a program that accepts a number between 20 and 50 and doubles it until the number is greater than 100. If the number is not in the specified range, the user should be made aware of that.
2. Write a program that reads in names, adds them to a list, sorts them in reverse, and outputs them.
3. Write a program that reads in 100 words from the terminal and creates a frequency lexicon. Store the words in a list and the frequency counts in another list so that the frequency count for a specific word has the same position as the word. Make sure that if a word is already in the list, it should not be added, but only the frequency count must be increased. Finally, output the list.

To test your program use the file `wordlist100.txt` from `oncourse` under `Resources/data`.