

ECE 326 Practical 3

1. Refer to attached python file to find the basic version of utspell implemented in Python. This basic version checks if the word inputted by the user is spelled correctly or incorrectly by cross referencing it with the provided file of English words.
2. A possible future enhancement that I would make to utspell is that when the user spells a word incorrectly, the program could return a few possibilities of the correct spelling to the word. The program could use string comparison to see if there are any words that start with the same prefix and return those words as potential correct spellings. The program could also use ascii values and the total addition of the word provided by the user and cross reference with the ascii addition in the dictionary, and return words with similar ascii sums. This combined with the string comparison can aid the program to return accurate suggestions.
3. To make it a spell checker for French, we would have to find or create a text file containing all the correctly spelled French words, similar to our current `/usr/share/dict/words`, and then open that file instead of the English dictionary file.