## Activities:

(1) We want to determine the long words in Alice in Wonderland and their frequency. Create a function that counts words in the 'alice.txt' file.
(a) Print out a few lines of 'alice.txt'.
(b) Print out the first few words of 'alice.txt'.
(c) Use strip and string.punctuation to get rid of punctuation marks in the words.
(d) Convert all capital letters to lower-case.
(e) Write a function clear that takes a word as a parameter and returns the initial part of a word separated by a hyphen, an underscore, or an apostrophe.
(f) Count all words with 7 or more letters in a dictionary.
(g) Write a function that gives the frequency of all these words ordered alphabetically.
(h) Install the nltk package and use it to import the PorterStemmer. Porterstemming is a useful way to obtain the stem of a word in English. Then count all stems of words in Alice of length larger than 5 letters.

(2) Use the timing module in order to time recursive fibonacci with LRU-cache and compare it with one using the fibonacci generator.

