

1. Write a function which checks if a number is prime. The function takes a number from user, true means prime while false means otherwise.

input:

a number (int)

output:

True if it is prime, False otherwise (bool)

2. Write a function which returns all words started with a specific letter (for example a) and ended with another specific letter from a given text file. The input will be the file name. The function should take the file name and make a list of the words.

input:

file name (string)

first letter (string)

second letter (string)

output:

list of the words (list)

3. Write a function which finds and replaces "word 1" with "word 2" in a text file. The input will be the file name and the output should be the new (word replaced) string.

input:

file name (string)

first word (string)

second word (string)

output:

the word replaced text (string)

****THE INPUT(s) NEEDS TO BE PASSED BY sys.argv FUNCTION IN ALL QUESTIONS.****

Some more exercises just for fun (DO NOT INCLUDE THEM IN YOUR SENT ANSWERS!):

- Write a function which returns Fibonacci Sequence.
- Hangman, write a function that chooses a word from a list and lets the user guess it.
- Rock, Paper, Scissors Game.
- Try to make a progress bar that gets complete in in a given period of time.

Good Luck, Alireza Vafaei Sadr