Lecture 7 Practice Exercises

```
__author__ = 'Noha'
Exercise1: Write a function that counts the number of lines in the input file
## This function counts the total number of line in the input filename
def count lines (filename, mode): #default mode is 'r'
count lines('mbox-short.txt', 'r')
count lines ('stuff.txt', 'r')
Exercise 2: Write a function that read the contents of the "mbox-short.txt" file and
prints its content without any extra lines
def file print():
file print()
Exercise 3: Write a function that read the contents of the "input1.txt" file and
prints its content
## This function reads the contents of file input "input1.txt" and prints the contents
to the output
def file_read_print(in_filename):
file read print ('input1.txt')
Exercise 4: Write/modify a function to print only the first line of the file
"input1.txt" and close it afterwards
## This function prints only the first line of file input1.txt and close the file
def file_print_firstLine(in_filename):
file print firstLine('input1.txt')
```

Exercise 5: Write a function that read the contents of the "input.txt" file and write its content to the file "output EX5.txt"

Exercise 5: Write a function that function prompts for a file name, read through the file, and look for lines of the form: X-DSPAM-Confidence: 0.8475. When you encounter a line that starts with X-DSPAM-Confidence:

- 1. pull apart the line to extract the floating-point number on the line
- 2. Count these lines and then compute the total of the spam confidence values from these lines.
- 3. When you reach the end of the file, print out the average spam confidence.

Test your file on the mbox.txt and mbox-short.txt files.