

P18 (E4 Group)

You are given two text files file1 and file2 that contain, in each line, words separated by space. The words contain English lower-case or upper-case letters. But in file1, some words may contain non-alphabetical characters (such as l. @, u, S. ^, &, 0, 1, ...,9). You have to first retrieve words in file1 by removing non-alphabetical characters. Next you have to identify matching words in the two files, that is, words that appear in file1 as well as in the contents of file2 after removal of non-alphabetical characters.

Develop a Python program to read two text files and find words that appear in both files, as described above. The names of the two files are the input to the program. All words that appear in both files have to be output to the screen and also written to a file named 'Output.txt', in the order of appearance in file1.

Special requirement: You must define at least 2 functions and use them in your code

Format:

Input: file1_Name file2_Name

Each file contains words separated by space in lines; in file1, some words may contain non-alphabetical characters

Output: Display on screen and write to the output file named "Output.txt" the words that appear in both files after removal of non-alphabetical characters, in the order of appearance in file1, such that each word will be output in a separate line.

Sample:

Case 1

input: test_file1.txt

Contents: someday4%saman^24
W4e4#nt to fa93ir
And 77buy7 a b83at

input: test_file2.txt

Contents: saman is nimal employee
Bat fair ground process try
Swim buy catch fish one

Output: Output.txt and on screen

Contents: saman
fair
buy
bat