# [Word Frequency](https://confluence-eng-rtp1.cisco.com/conf/display/KnowledgeBase/Word+Frequency)

* Created by [John Gaff](https://confluence-eng-rtp1.cisco.com/conf/display/~jogaff), last modified on [Dec 02, 2019](https://confluence-eng-rtp1.cisco.com/conf/pages/diffpagesbyversion.action?pageId=101030250&selectedPageVersions=4&selectedPageVersions=5)

Create a program that displays how many times a word appears in a file, or across files.  The program will be seeded with an input file where each line in this file, is another file’s relative path.  Each file within the input file, will contain the words needed to be tracked. User should be able to run the program and see a list of all the words and their respective counts. The program will need to quickly handle 1000’s lines in the input file and display results in a timely manner.

Requirements for the program:

o    User must be able to interact with it.

o    The program/executable must be standalone.

o    A set of easy to follow instructions on how to run and execute the program must be provided. Assume the system used for running the program has just a base OS installed.

o    To be submitted

o    A very strong preference for Java

·   Your instructions

·   All of the source code and the **corresponding executable must be provided via git hub**

·   Unit tests for your application.

·   Input data used to test your program.

For bonus points:

User should be able to select a word (from the list of words) and display which files the word came from, display how many times the word showed up in each file and display how many times the word showed up in total.