ReadabilityCalculator.java – User Manual

This program takes a text file, analyzes it, and tells you what the Flesch Reading Ease Score of the text is, and the Flesch-Kincaid Grade Level of the text. The program is restricted to files in the same folder as the class file. The class file is generated during compiling. A Windows class file is included in this package, but it is strongly recommended that you recompile the file for your own OS. This program runs on the command line.

Using the Program

To use this program, you must have a Java JRE installed on your computer. Follow the directions at http://www.cs.stanford.edu/people/alee/cs51/penv/installJava.html to install a JDK for Windows. To install on Mac OSX, follow the directions at http://www.cs.princeton.edu/courses/archive/spr04/cos126/hello/mac.html . For Linux, get a copy from your distribution's software repo, or compile your own.

Compiling the Program

A complied file for Windows is included in this package. However, it is strongly recommended that you compile the code yourself for your own computer. Open up a command line and type:

javac /path/to/sourcecode/readbilityCalculator.java

where /path/to/sourcecode is the location of the source code file, named readabilityCalculator.java . It will look something like C:/Users/Bob/Desktop/, or if your command line is in the same directory as the source code, it will simply be readabilityCalculator.java.

Running the Program

Run the compiled program with the command:

java readabilityCalculator

If the command line returns "java: Command not found" or something similar, try using the absolute path to the java executable.

Run Time Characteristics

When the program first runs, it will ask the user to input a file name or type QUIT to quit. This file name must correspond to a file in the same directory as the class file. The file name must be in the format foo.txt, where foo is any string of alphanumeric characters. Any other format, and the program will output an error and prompt again. Type the program name and hit enter. The program will analyze the file, and print its findings. After it is finished, it will prompt for another file. You can input a new file, or type QUIT to close the program.