Cmpe230 Homework 2

GenerateMakeFile

In this project we should write a program that traverses all directories and subdirectories for searching .c and .h files. It should look the include statements of source files and generate a makefile with appropriate dependencies.

It also should give an error for the situation that a file is included but not found and a warning for the situation that an include file is present but not used.

For solution, i initialized some global variables to use, traversed all directories and subdirectories, found .c and .h files while traversing, kept those files into arrays i initialized as global variables, looked whether there is an error or not, and if there are no error, wrote a makefile for .c files for their dependencies. Also i checked whether there is a warning or not.

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