CSE 344 HOMEWORK 1 REPORT

In this homework, after checking the input errors, I started traversing the target folder with depth first manner. While recursion, i pushed the current folder name and the depth info while going deeper for each time. If any file meets the search parameters, I print all the upper folders in depth order before the file, then I printed the file as a tree. While returning back, if a folder is not pritten, means that the folder does not insist any found file, I popped it back without printing.

While checking the size info of a folder, i traversed all the files inside this folder and I got the total number as the size of the folder.

When CTRL-C entered, I freed the possible allocations and exited the program.

I counted the number of the found file. If no file was found with given parameters, I informed the user and exited the program.