filecnt and filedisp Documentation

# Description

The file ‘filecnt.cpp’ contains C++ code that takes an input directory string, recursively counts the total number of directories, files, and the size of those files, and outputs these values. The file ‘filedisp.cpp’ contains C++ code that was made for the sole use of piping with ‘filecnt.cpp’ – it takes filecnt.cpp’s output and displays a certain line depending on which option is used. The files ‘filecnt.exe’ and ‘filedisp.exe’ are the executables used to run the program, ‘filecnt.o’ and ‘filedisp.o’ are object files used by the makefile to create the executables.

# Input

To run the program, use the following syntax: ./filecnt.exe <directory pathname> | ./filedisp.exe <-d, -f, or -b>. The directory can be relative or absolute, and there should be no spaces in the directory pathname. Here is an example: ./filecnt.exe /usr/share | ./filedisp.exe -d

# Output

After the command is run the output will be a single line of text containing information depending on the option used in filedisp.exe.

Here is an example:

The total number of directories in directory /usr/share is: 12259