

File Info

Create a program to detect some interesting info about files and directories.

Operation

Given a root directory for its operation, the program will scan all files in that sub-tree.

The program will detect files that are stored more than once.

To do that, it will use the file content, so even if the name is different - it is the same file.

The program will also gather information about directory sizes:

- It could search for big files (files that are larger than some size)
- It could print a tree-view of directory sizes

dup file output

Create a csv file as an output.

Use the csv module to do that.

For each file, include all relevant data:

- file name (choose one - the shortest if you can)
- file size (bytes)
- number of copies found

Do not include the path names for that file in your csv.

A single line for duplicated files.

CLI

(Command Line Interface)

Your program will enter an interactive mode.

The commands that you should support:

- scan <path>
Scans all files in <path> and below. Searches for duplicate file, and sizes.
- dup <csv file>
Output duplicate files to a new csv file.
- dirsize [depth]
Output a tree-view of directory sizes, up to depth levels.
If depth is not specified, the default is 3 levels.