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Cmpe230 Project2

Identic.py

To find the duplicate directories and files in given directories, I used two functions, a hashing function and a traversing function. In a function I gave directories one by one to my traversing function. In the traversing function I traversed the directory in a Depth First Search fashion and find the hash values for these diretories recursively and added them to their parent.

Each file has a unique hash value. To add duplicates in my dictionary I checked whether it has been added before. If added, I appended the value to the hash’s list of paths which are full paths of duplicates.