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CSC 112
Computer Science with Java 2
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CopyDirectory Lab Report

Assignment Analysis and Design:

This project uses parts of the code from the three examples references from the textbook. The main method contains only a while loop that continues to call the enterDirectories() method until the user enters valid directories. The enterDirectories() method prints out the contents of the directories, and if both are valid, calls copyFilesAndDirs(). This is the recursive method- it iterates through an array of File objects- if it finds a file, it calls copyFile()- if it finds a directory, it makes a new directory and calls itself recursively.

Assignment Code:

Included in the project folder.

Assignment Testing:

The program is able to copy both files and directories correctly. It can copy a whole drive (I was able to copy a whole flash drive to the hard disk) or copy directories within drives. The only exception I ran into was when I tried to copy a directory to the root directory.

Assignment Evaluation:

This was fun and challenging. I enjoyed figuring out that I could use the recursive function to copy the parent directory as well as all of its files and subdirectories by feeding the initial call of the recursive function with an array with one element, the parent directory.