Computer Science 112

Computer Science with Java I

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Lab Report – Week 4 – Copying Files

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CSCI 112   [Spring]

Assignment Analysis and Design

The assignment was to create a java program which would copy a directory from one directory to another directory using the original directory's name. I developed the code by creating the user input first and then a method to create the directories. After the program established the original directory could be found and the new directory could be created the program starts to copy the files over. It looks at the original directory and then creates an array and going file by file establishes if the file is a file or a directory. If the file is a file it will copy the file into the newly made directory. If the file is a directory it will create a new directory in the new destination folder and then create a new array for all the files in that folder and continue copying.

Assignment Code

Netbeans project attached.

Assignment Testing

I tried multiple folders on my computer and the only time I ran into an error was when a file was protected and could not be accessed. The program would continue to run and finish copying all other files tho. I also tried copying an entire flash drive and had no problem also.

Assignment Evaluation

I have a much better understanding for recursive methods and how they work individually of each other. Getting the sub directories to copy was the hardest challenge but with the better understand was a lot easier to understand and complete correctly. I struggled with an error that kept popping up every time all the files finished copying but was able to stop the array from trying to find a file that was non existent but was able to stop that from happening with an added line of code.