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My finished code runs as follows, it took me a few iterations to get there but it seems to work well, even with permissions changed.

1. Created struct “maxfiles” to hold all relevant data for each of the parts we needed to code. I figured that’d be more convenient than several variables.
2. Before calling my function, I construct a variable “target_path” to hold the absolute path to the directory provided in our argument. This absolute path will then become the dir_name input variable to our function.
3. Main then calls our function, using an initialized “maxfiles” struct & “target_path” absolute path as inputs.
    a. Then opens directory at specified “target_path” into DIR pointer.
    b. Loops through each file in DIR.
    c. Updates the “target_path” to include current file.
        i. Loads the stat of the file.
        ii. Recursively calls on directory
        iii. Else compares against current max & updates relevant data.
    d. Once all files have been referenced, close DIR pointer & add directory size to total disk usage.
4. Print results