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**Design:**

The first steps we took were to fix any issues with the original program from Assignment 0. For example, we added a check to make sure that every row had the same number of columns as the header. We also removed some unnecessary free() statements.

Next, we had to find a way to read through directories using C. We used the dirent.h library to open DIR objects on the specified input and output directories. The DIR objects can be iterated with readdir() to generate a directory entity, or dirent, for each file object in the directory. The dirent struct provides all the information we need, including the type of file object and the file name.

**Implementation Basic Overview:**

**Headerfile:**

**Testing Process:**

**Instructions for Running:**

Please follow the same instructions outline in the Asst1 assignment description. It specifies to run the program using

./scannerCSVsorter -c column\_name [-d input\_directory] [-o output\_directory]

to run the file once compiled.