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Project = PA1

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**DOCUMENTATION:**

1 - How your program organizes multiple databases?

2 - How your program manages multiple tables?

3 - At a very high level, how you implement those required functionalities?

As recommended, each is implemented as a folder via system call and each table is implemented through the fstream library with a txt file. Using the USE keyword allows the navigation between databases(folders). At the current stage all the data of the table will be output and managed inside of the txt file. There are different error making sure the database in use holds the table you want to select or alter.

**IMPLEMENTATION:**

Database creation = system call to create folder if the folder does not already exist.

Database deletion = system call to delete folder if it does exist.

Table creation = fstream to create txt file inside of the database denoted by the "USE" command.

Use command = change directory call(chdir) to change current directory to the desired database.

Table deletion = system call to delete txt file inside of the database in use if the file exists.

Table update = fstream append similar to how table creation function is used.

Table query = print out the table if and only if the table exists inside the database in use.

**COMPILE:**

Use the provided make file and type “make”.

To run do ./main < PA1\_test.sql