*Running testSql.cpp*

\*I have pre built the sqlite3.o file, see end of file to see how\*

\*testSql.cpp is a crash course in how to use sqlite3’s basic functions\*

1) navigate to CSCI222/SQL in command line

2) compile and run testSql.cpp with sqlite3.o

- 'g++ testSql.cpp sqlite3.o'

- This probably will throw some warnings, they are to do with some char type conversions in testSql.cpp.

7) run ./a.out (or a.exe if on windows).

8) Drink beer.

*Install sqlite3 on command line - \*Optional\**

Download the sqlite3 binary zip(from same site): -- the directions are for windows, change where you need to.

- this can be used to directly query the database straight from the command line at any time(outside of the c++ program).

- much easier for testing querys than in c++ code.

1) choose the appropriate one for your os. They have 'Command-line shell' in the description.

2) create folder for sqlite (eg C:/sqlite)

3) extract binary zip to folder.

4) there should be 'sqlite3.exe' in there.

5) modify your PATH environment variable so sqlite3 can be called from cmd.

on windows 7:

- control panel > System and security > System > Advanced system settings > Enviroment Variables

- Under USER VARIABLES, click PATH > edit

- add sqlite3 folder path to PATH.

- i added 'C:/sqlite;'to the beginning of mine.

6) test sqlite3

- open cmd and type 'sqlite3', it should print a version number and other shit.

*Access testSql.cpp database from command line*

1) open cmd and move to working diractory

2) compile and run test.cpp and sqlite.o

3) type 'sqlite3', hit enter.

4) type '.open Database.db'

5) test with 'SELECT \* FROM AIRPORT;'

- theres probably a way to format the output here, haven't got around to it yet.

*FULLY INSTALLING AND RUNNING SQLITE3*

1) Go here: https://www.sqlite.org/download.html

2) Download the sqlite3 amalgamation zip:

-'sqlite-amalgamation-201504211717.zip'

3) extract zip file to your working directory.

- in particular you need sqlite3.c and sqlite3.h

4) compile 'sqlite3.c' into 'sqlite3.o'.

- i used 'gcc -c sqlite3.c' at cmd

- 'sqlite3.o' should appear in you directory

5) include "sqlite3.h" into appropriate .cpp files.

5) compile all .cpp files with sqlite.o

- g++ <your cpp files> sqlite.o

6) run program.