Trying to run the code at the uofM machine:

1>------ Build started: Project: Project1, Configuration: Debug|Win32 ------

1> ClientWind.cpp

1>C:\Users\Yuliya\source\repos\CIS427Project1\Project1\Project1\ClientWind.cpp(6,10): fatal error C1083: Cannot open include file: 'sqlite3.h': No such file or directory

1> ServerWind.cpp

1>C:\Users\Yuliya\source\repos\CIS427Project1\Project1\Project1\ServerWind.cpp(6,10): fatal error C1083: Cannot open include file: 'sqlite3.h': No such file or directory

1> Generating Code...

========== Build: 0 succeeded, 1 failed, 0 up-to-date, 0 skipped ==========

Moved files into project folder.

gcc: error: sqlite3.o-o: No such file or directory

gcc: error: server: No such file or directory

gcc: fatal error: no input files

compilation terminated.

Used gcc server.cpp sqlite3.o -o server

Reinstalled SQL binaries for Win64

Added import into code

Server.cpp:2:22: fatal error: winsock2.h: No such file or directory

#include <winsock2.h>

^

compilation terminated.

g++: error: server.cpp: No such file or directory

g++: fatal error: no input files

compilation terminated.

/home/y/yuliiaw/Private/My Documents/CIS427Project1/Project1/Project1$ g++ -I/path/to/winsock/include -o server Server.cpp

Server.cpp:2:22: fatal error: winsock2.h: No such file or directory

#include <winsock2.h>

^

compilation terminated.

Installed windows driver Kit WDK

serverServer.cpp:2:22: fatal error: winsock2.h: No such file or directory

#include <winsock2.h>

^

compilation terminated.

Moved to virtual machine again.

Command: gcc -I/home/y/yuliiaw/Private/My\ Documents/CIS427Project1/Project1/Project1 -o server Server.cpp sqlite3.o

Error: failed with return code 1 and the following error message:Server.cpp:2:22: fatal error: winsock2.h: No such file or directory

#include <winsock2.h>

^

compilation terminated.

Figured out that virtual machine might be a linux system

Commands:

gcc -c sqlite3.c

gcc Server.cpp sqlite3.o -o server

Error:

command gccSever.cpp sqlite3.o -o server failed with return code 1 and the following error message: Server.cpp:9:21: fatal error: sqlite3.h: No such file or directory

#include <sqlite3.h>

^

compilation terminated.

however this file is right here in the same folder

after playing with locations of folders:

Error: Server.cpp: In function ‘void checkOrCreateUser()’:

Server.cpp:56:17: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT COUNT(\*) FROM Users WHERE user\_id = 1;";

^

Server.cpp:59:48: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_prepare\_v2(db, sql, -1, &stmt, nullptr) != SQLITE\_OK) {

^

Server.cpp:71:28: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* insert\_sql = "INSERT INTO Users (user\_id, username, balance) VALUES (1, 'John Doe', 100);";

^

Server.cpp:72:42: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_exec(db, insert\_sql, nullptr, nullptr, nullptr) != SQLITE\_OK) {

^

Server.cpp: In function ‘void handleBuy(int, char\*)’:

Server.cpp:95:99: error: ‘sscanf’ was not declared in this scope

if (sscanf(command, "BUY %s %f %f %d", stock\_symbol, &stock\_amount, &price\_per\_stock, &user\_id) != 4) {

^

Server.cpp:103:47: error: a function-definition is not allowed here before ‘{’ token

void handleSell(int new\_s, char\* command) {

^

Server.cpp:270:9: error: expected ‘}’ at end of input

}

^

Debugged functions, run again.

Error: Server.cpp: In function ‘void checkOrCreateUser()’:

Server.cpp:59:17: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT COUNT(\*) FROM Users WHERE user\_id = 1;";

^

Server.cpp:62:11: error: redeclaration of ‘char\* sql’

char\* sql = "SELECT COUNT(\*) FROM Users WHERE user\_id = 1;";

^

Server.cpp:59:11: error: ‘char\* sql’ previously declared here

char\* sql = "SELECT COUNT(\*) FROM Users WHERE user\_id = 1;";

^

Server.cpp:63:9: error: redeclaration of ‘int count’

int count = 0;

^

Server.cpp:60:9: error: ‘int count’ previously declared here

int count = 0;

^

Server.cpp:64:19: error: redeclaration of ‘sqlite3\_stmt\* stmt’

sqlite3\_stmt\* stmt;

^

Server.cpp:61:19: error: ‘sqlite3\_stmt\* stmt’ previously declared here

sqlite3\_stmt\* stmt;

^

Server.cpp:65:48: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_prepare\_v2(db, sql, -1, &stmt, nullptr) != SQLITE\_OK) {

^

Server.cpp:77:28: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* insert\_sql = "INSERT INTO Users (user\_id, username, balance) VALUES (1, 'John Doe', 100);";

^

Server.cpp:78:42: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_exec(db, insert\_sql, nullptr, nullptr, nullptr) != SQLITE\_OK) {

^

Server.cpp: In function ‘void handleBuy(int, char\*)’:

Server.cpp:109:47: error: a function-definition is not allowed here before ‘{’ token

void handleSell(int new\_s, char\* command) {

^

Server.cpp:281:5: error: expected ‘}’ at end of input

}

^

Debugged code again.

Run and error:

Server.cpp: In function ‘void checkOrCreateUser()’:

Server.cpp:63:56: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_prepare\_v2(db, userSql, -1, &userStmt, nullptr) != SQLITE\_OK) {

^

Server.cpp:76:45: error: ‘nullptr’ was not declared in this scope

if (sqlite3\_exec(db, insertUserSql, nullptr, nullptr, nullptr) != SQLITE\_OK) {

^

Server.cpp: In function ‘void handleList(int)’:

Server.cpp:151:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT \* FROM Stocks;";

^

Server.cpp:153:56: error: ‘nullptr’ was not declared in this scope

rc = sqlite3\_exec(db, sql, callback, response, nullptr);

^

Server.cpp: In function ‘void handleBalance(int)’:

Server.cpp:179:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT balance FROM Users WHERE user\_id = 1;";

^

Server.cpp:181:56: error: ‘nullptr’ was not declared in this scope

rc = sqlite3\_exec(db, sql, callback, response, nullptr);

^

Server.cpp: In function ‘void handleShutdown(int)’:

Server.cpp:200:15: error: ‘s’ was not declared in this scope

close(s);

^

Server.cpp: At global scope:

Server.cpp:212:5: error: ‘oid’ does not name a type

oid handleCommand(int new\_s, char\* command) {

^

Server.cpp: In function ‘int main()’:

Server.cpp:274:41: error: ‘handleCommand’ was not declared in this scope

handleCommand(new\_s, buf);

^

Replaced nullptr to NULL

Set up char as const

Removed s double initialization

Error:

Server.cpp: In function ‘void handleBuy(int, char\*)’:

Server.cpp:94:16: error: uninitialized const ‘stock\_symbol’ [-fpermissive]

const char stock\_symbol[20];

^

Server.cpp: In function ‘void handleSell(int, char\*)’:

Server.cpp:110:20: error: uninitialized const ‘stock\_symbol’ [-fpermissive]

const char stock\_symbol[20];

^

Server.cpp: In function ‘void handleList(int)’:

Server.cpp:153:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT \* FROM Stocks;";

^

Server.cpp: In function ‘void handleBalance(int)’:

Server.cpp:181:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT balance FROM Users WHERE user\_id = 1;";

^

Server.cpp: In function ‘int main()’:

Server.cpp:274:20: error: ‘buf\_len’ was not declared in this scope

while (buf\_len = recv(new\_s, buf, sizeof(buf), 0)) {

^

Updated code:

Error: Server.cpp: In function ‘void handleList(int)’:

Server.cpp:150:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT \* FROM Stocks;";

^

Server.cpp: In function ‘void handleBalance(int)’:

Server.cpp:178:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT balance FROM Users WHERE user\_id = 1;";

^

/tmp/ccWfoONa.o: In function `callback(void\*, int, char\*\*, char\*\*)':

Server.cpp:(.text+0x79): undefined reference to `std::cout'

Server.cpp:(.text+0x7e): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x8b): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x96): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x9b): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0xa3): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccWfoONa.o: In function `openDatabase()':

Server.cpp:(.text+0xfc): undefined reference to `std::cerr'

Server.cpp:(.text+0x101): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x10c): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x111): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x119): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccWfoONa.o: In function `checkOrCreateUser()':

Server.cpp:(.text+0x1b9): undefined reference to `std::cerr'

Server.cpp:(.text+0x1be): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x1c9): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x1ce): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x1d6): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

Server.cpp:(.text+0x271): undefined reference to `std::cerr'

Server.cpp:(.text+0x276): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x281): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x286): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x28e): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccWfoONa.o: In function `handleList(int)':

Server.cpp:(.text+0x46c): undefined reference to `std::cerr'

Server.cpp:(.text+0x471): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x47c): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x481): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x489): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

Server.cpp:(.text+0x52a): undefined reference to `std::cerr'

Server.cpp:(.text+0x52f): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x53a): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x53f): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x547): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccWfoONa.o: In function `handleBalance(int)':

Server.cpp:(.text+0x5fe): undefined reference to `std::cerr'

Server.cpp:(.text+0x603): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x60e): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x613): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x61b): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

Server.cpp:(.text+0x6bc): undefined reference to `std::cerr'

Server.cpp:(.text+0x6c1): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x6cc): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x6d1): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x6d9): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccWfoONa.o: In function `\_\_static\_initialization\_and\_destruction\_0(int, int)':

Server.cpp:(.text+0xa66): undefined reference to `std::ios\_base::Init::Init()'

Server.cpp:(.text+0xa75): undefined reference to `std::ios\_base::Init::~Init()'

sqlite3.o: In function `pthreadMutexAlloc':

sqlite3.c:(.text+0x5261): undefined reference to `pthread\_mutexattr\_init'

sqlite3.c:(.text+0x5272): undefined reference to `pthread\_mutexattr\_settype'

sqlite3.c:(.text+0x5291): undefined reference to `pthread\_mutexattr\_destroy'

sqlite3.o: In function `pthreadMutexTry':

sqlite3.c:(.text+0x533f): undefined reference to `pthread\_mutex\_trylock'

sqlite3.o: In function `sqlite3ThreadCreate':

sqlite3.c:(.text+0xa157): undefined reference to `pthread\_create'

sqlite3.o: In function `sqlite3ThreadJoin':

sqlite3.c:(.text+0xa1e9): undefined reference to `pthread\_join'

sqlite3.o: In function `unixDlOpen':

sqlite3.c:(.text+0x13328): undefined reference to `dlopen'

sqlite3.o: In function `unixDlError':

sqlite3.c:(.text+0x13347): undefined reference to `dlerror'

sqlite3.o: In function `unixDlSym':

sqlite3.c:(.text+0x13394): undefined reference to `dlsym'

sqlite3.o: In function `unixDlClose':

sqlite3.c:(.text+0x133c6): undefined reference to `dlclose'

collect2: error: ld returned 1 exit status

tried g++ -std=c++11 -pthread -ldl Server.cpp sqlite3.c -o server

Server.cpp: In function ‘void handleList(int)’:

Server.cpp:150:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT \* FROM Stocks;";

^

Server.cpp: In function ‘void handleBalance(int)’:

Server.cpp:178:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT balance FROM Users WHERE user\_id = 1;";

^

/tmp/ccg3JyeR.o: In function `callback(void\*, int, char\*\*, char\*\*)':

Server.cpp:(.text+0x79): undefined reference to `std::cout'

Server.cpp:(.text+0x7e): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x8b): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x96): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x9b): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0xa3): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccg3JyeR.o: In function `openDatabase()':

Server.cpp:(.text+0xfc): undefined reference to `std::cerr'

Server.cpp:(.text+0x101): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x10c): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x111): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x119): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccg3JyeR.o: In function `checkOrCreateUser()':

Server.cpp:(.text+0x1b9): undefined reference to `std::cerr'

Server.cpp:(.text+0x1be): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x1c9): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x1ce): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x1d6): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

Server.cpp:(.text+0x271): undefined reference to `std::cerr'

Server.cpp:(.text+0x276): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x281): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::operator<< <std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&, char const\*)'

Server.cpp:(.text+0x286): undefined reference to `std::basic\_ostream<char, std::char\_traits<char> >& std::endl<char, std::char\_traits<char> >(std::basic\_ostream<char, std::char\_traits<char> >&)'

Server.cpp:(.text+0x28e): undefined reference to `std::ostream::operator<<(std::ostream& (\*)(std::ostream&))'

/tmp/ccg3JyeR.o: In function `handleList(int)':

Tried: g++ -std=c++11 -pthread -ldl Server.cpp sqlite3.c -o server -lstdc++

Server.cpp: In function ‘void handleList(int)’:

Server.cpp:150:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT \* FROM Stocks;";

^

Server.cpp: In function ‘void handleBalance(int)’:

Server.cpp:178:21: warning: deprecated conversion from string constant to ‘char\*’ [-Wwrite-strings]

char\* sql = "SELECT balance FROM Users WHERE user\_id = 1;";

^

sqlite3.o: In function `pthreadMutexAlloc':

sqlite3.c:(.text+0x5261): undefined reference to `pthread\_mutexattr\_init'

sqlite3.c:(.text+0x5272): undefined reference to `pthread\_mutexattr\_settype'

sqlite3.c:(.text+0x5291): undefined reference to `pthread\_mutexattr\_destroy'

sqlite3.o: In function `pthreadMutexTry':

sqlite3.c:(.text+0x533f): undefined reference to `pthread\_mutex\_trylock'

sqlite3.o: In function `sqlite3ThreadCreate':

sqlite3.c:(.text+0xa157): undefined reference to `pthread\_create'

sqlite3.o: In function `sqlite3ThreadJoin':

sqlite3.c:(.text+0xa1e9): undefined reference to `pthread\_join'

sqlite3.o: In function `unixDlOpen':

sqlite3.c:(.text+0x13328): undefined reference to `dlopen'

sqlite3.o: In function `unixDlError':

sqlite3.c:(.text+0x13347): undefined reference to `dlerror'

sqlite3.o: In function `unixDlSym':

sqlite3.c:(.text+0x13394): undefined reference to `dlsym'

sqlite3.o: In function `unixDlClose':

sqlite3.c:(.text+0x133c6): undefined reference to `dlclose'

collect2: error: ld returned 1 exit status

tried standard commend

Error:

/home/y/yuliiaw/Private/My Documents/CIS427Project1/Project1/Project1$ g++ -std=c++11 -pthread -ldl Server.cpp sqlite3.c -o server -lstdc++

sqlite3.c:44011:36: warning: invalid suffix on literal; C++11 requires a space between literal and identifier [-Wliteral-suffix]

sqlite3\_snprintf(nBuf, zBuf, "%s/"SQLITE\_TEMP\_FILE\_PREFIX"%llx%c",

^

sqlite3.c:22920:20: error: redefinition of ‘u32 sqlite3WhereTrace’

SQLITE\_PRIVATE u32 sqlite3WhereTrace = 0;

^

sqlite3.c:15105:20: error: ‘u32 sqlite3WhereTrace’ previously declared here

SQLITE\_PRIVATE u32 sqlite3WhereTrace;

^

sqlite3.c: In function ‘int parseModifier(sqlite3\_context\*, const char\*, int, DateTime\*, int)’:

sqlite3.c:24872:22: error: expected unqualified-id before ‘new’

DateTime new;

^

sqlite3.c:24873:24: error: expected type-specifier before ‘,’ token

memset(&new, 0, sizeof(new));sqlite3.c: In function ‘int jsonEachOpenEach(sqlite3\_vtab\*, sqlite3\_vtab\_cursor\*\*)’:

sqlite3.c:207866:54: error: invalid conversion from ‘void\*’ to ‘JsonEachCursor\*’ [-fpermissive]

pCur = sqlite3DbMallocZero(pVtab->db, sizeof(\*pCur));

^

sqlite3.c: In function ‘int jsonEachNext(sqlite3\_vtab\_cursor\*)’:

sqlite3.c:207980:75: error: invalid conversion from ‘void\*’ to ‘JsonParent\*’ [-fpermissive]

pNew = sqlite3DbRealloc(p->db, p->aParent, sizeof(JsonParent)\*nNew);

^

sqlite3.c: In function ‘int jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)’:

sqlite3.c:208172:15: error: cannot convert ‘sqlite3\_index\_info::sqlite3\_index\_constraint\*’ to ‘const jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint\*’ in assignment

pConstraint = pIdxInfo->aConstraint;

^

sqlite3.c:208173:53: error: cannot increment a pointer to incomplete type ‘const jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

for(i=0; i<pIdxInfo->nConstraint; i++, pConstraint++){

^

sqlite3.c:208176:20: error: invalid use of incomplete type ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

if( pConstraint->iColumn < JEACH\_JSON ) continue;

^

sqlite3.c:208165:16: error: forward declaration of ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

const struct sqlite3\_index\_constraint \*pConstraint;

^

sqlite3.c:208177:23: error: invalid use of incomplete type ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

iCol = pConstraint->iColumn - JEACH\_JSON;

^

sqlite3.c:208165:16: error: forward declaration of ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

const struct sqlite3\_index\_constraint \*pConstraint;

^

sqlite3.c:208181:20: error: invalid use of incomplete type ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

if( pConstraint->usable==0 ){

^

sqlite3.c:208165:16: error: forward declaration of ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

const struct sqlite3\_index\_constraint \*pConstraint;

^

sqlite3.c:208183:26: error: invalid use of incomplete type ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

}else if( pConstraint->op==SQLITE\_INDEX\_CONSTRAINT\_EQ ){

^

sqlite3.c:208165:16: error: forward declaration of ‘const struct jsonEachBestIndex(sqlite3\_vtab\*, sqlite3\_index\_info\*)::sqlite3\_index\_constraint’

const struct sqlite3\_index\_constraint \*pConstraint;

^

sqlite3.c: In function ‘int jsonEachFilter(sqlite3\_vtab\_cursor\*, int, const char\*, int, sqlite3\_value\*\*)’:

sqlite3.c:208304:63: error: invalid conversion from ‘void\*’ to ‘JsonParent\*’ [-fpermissive]

p->aParent = sqlite3DbMallocZero(p->db, sizeof(JsonParent));

^