Subject: Need help with SQL code
Posted by lectus on Thu, 21 Jun 2012 16:32:42 GMT
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Hello!
I tried this simple code:

```
void MainWindow::BtnAddPush()
{

 String name = ~editName;
 String phone = ~editPhone;

 arr.Add(name, phone);

 Sqlite3Session sqlite3ses;
 if (!sqlite3ses.Open("test.db")) {
  printf("Couldn't open database!");
  return;
 }

 Sql sql(sqlite3ses);
 sql.ClearError();
 sql.Execute("INSERT INTO PHONEBOOK VALUES(?,?);", name, phone);
 sqlite3ses.Close();
}

void MainWindow::BtnRefreshPush()
{
 Sqlite3Session sqlite3ses;
 if (!sqlite3ses.Open("test.db")) {
  printf("Couldn't open database!");
  return;
 }

 Sql sql(sqlite3ses);
 sql.ClearError();
 sql.Execute("SELECT * FROM PHONEBOOK;");
 while(sql.Fetch()) {
  arr.Add(sql[0], sql[1]);
 }
 sqlite3ses.Close();
}


MainWindow::MainWindow()
{
 CtrlLayout(*this, "Window title");
 arr.AddColumn("Name");
```

```
 arr.AddColumn("Phone");
 btnAdd.WhenPush = THISBACK(BtnAddPush);
 btnRefresh.WhenPush = THISBACK(BtnRefreshPush);
}

GUI_APP_MAIN
{
 MainWindow().Run();
}
```

It compiles fine. But when I click the 'Refresh' button I get an error. What's wrong?

The error message is: "Assertion failed in Sqlite3upp.cpp, line 361 SQLITE_OK == retval".

PS: The 'test.db' database already exists (created by sqlite3 command line tool).

Subject: Re: Need help with SQL code
Posted by lectus on Thu, 21 Jun 2012 17:11:10 GMT
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Well, after looking at the manual and examples I found the solution.
Looks like I need a global SQL and then I use local Sql for SELECT queries.

So, here's the working code for anyone else struggling with this:

```
#include "testsql.h"
#include <plugin/sqlite3/Sqlite3.h>

Sqlite3Session sqlite3ses;

void MainWindow::BtnAddPush()
{

 String name = ~editName;
 String phone = ~editPhone;

 arr.Add(name, phone);
 SQL.Execute("INSERT INTO PHONEBOOK VALUES(?,?);", name, phone);
}

void MainWindow::BtnRefreshPush()
{
 arr.Clear();
 Sql sql;
 sql.Execute("SELECT * FROM PHONEBOOK");
 while(sql.Fetch()) {
  arr.Add(sql[0], sql[1]);
 }
```

```
}


MainWindow::MainWindow()
{
 CtrlLayout(*this, "Window title");
 arr.AddColumn("Name");
 arr.AddColumn("Phone");
 btnAdd.WhenPush = THISBACK(BtnAddPush);
 btnRefresh.WhenPush = THISBACK(BtnRefreshPush);


 if (!sqlite3ses.Open("test.db")) {
  printf("Couldn't open database!");
  return;
 }

 SQL = sqlite3ses;

}

GUI_APP_MAIN
{
 MainWindow().Run();
}
```