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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();  
}
```