Subject: Some questions around SQlite3
Posted by mubeta on Wed, 01 Sep 2010 18:08:29 GMT
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Hi guys,
Some question around SQlite3:

1) I am using a thirdy part database, and I want to inser new values in the table. Now I am using this way:

```
...
 Sqlite3Session db1;
 if(!db1.Open(fName))
 {
            //statements
  return;
 }

      SQL = db1;

      Sql sql;

      //Statements

      sql*Insert("Project")("Id", i)("DbNum", daveDbNum)("Start", daveStart)("Length",
daveLen)("Buff", daveMem1.strValues);

      //Statements

      db1.Close();
```

Questions:
1.1) How thw object named "sql" is linked to the object named "db1" ?? I reach this source code following some u++ reference code, but I don't understand how db1 and sql are connectd. The application is working correctly.

1.2) I saw that using SQL.Execute(), can send the queries as I most like; but, in the same source code, how I can send an String of binary values ? Example:

```
  Sqlite3Session db1;
  db1.Open(fName);
  SQL = db1;

  SQL.Execute("INSERT INTO table (field1, field2) VALUES ('1', + String(foo) + "')");
```

where "foo" are binary values. Sometime this way result in an error, because in the string it's included the char('). Ther eis some encoder/decoder for solve this problem?

2) When using SELECT statement in the query, next using Fetch(), I can get the fileds values, but only indexable with number:

```
Sqlite3Session db1;
db1.Open(fName);
SQL = db1;
Sql sql;

sql.Execute("SELECT * FROM table");

while(sql.Fetch()) PromptOK(sql[5]); // Working correctly
while(sql.Fetch()) PromptOK(sql(SqlId("Name"))); // Does not work ??
```

Question: How I can get the index of the fields, from the field name? When I am using a thirdy part database, I don't know the index of the fields!

Thanks a lot.

Subject: Re: Some questions around SQlite3
Posted by zsolt on Wed, 01 Sep 2010 19:13:31 GMT
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1. SQL is a macro, same as calling AppCursor() function. The relevant code:

```
#ifndef NOAPPSQL

struct AppSql : Sql {
 void   operator=(SqlSource& s) { Assign(s); }
 void   Detach()               { Sql::Detach(); }
 AppSql() : Sql(NULLSQL) {}
};

AppSql& AppCursor();
#define SQL AppCursor()
#endif
```

1.2 Use SqlBinary(foo)

2. You can use the field name in the first while loop. Fetching after the last record fetched returns false. Your second while loop will not run.

Subject: Re: Some questions around SQlite3

Posted by mubeta on Wed, 01 Sep 2010 19:32:20 GMT
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Quote:
2. You can use the field name in the first while loop. Fetching after the last record fetched returns false. Your second while loop will not run.

I know this. In my example I just want to show that I wish to use the field name, and not the filed index. But I don't found any way for do it.
I need only one while, but i want to get values using something like: Value var = sql["FieldName"]; and not on number; or, how to get the corresponding index, from the FieldName.

Ok for the answer 1), but this mean that, time by time I can only open one database?

Thanks.

Subject: Re: Some questions around SQlite3
Posted by zsolt on Wed, 01 Sep 2010 21:48:22 GMT
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Ok, now I understand it. The correct syntax is: Value var = sql[SqlId("FieldName")];

Quote:time by time I can only open one database?

No, this appsql thing is only for convenient db handling in most applications, where only one database is needed. You can open as many sessions as you want in your app and can use that sessions in any Sql object's constructor.
