
Subject: How to close a sqlite session
Posted by [forlano](#) on Sun, 27 Sep 2015 14:32:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello,

after opening a sqlite db i need to close it and open a new one.
How to properly close the first db session?

I see the .Close() and .SessionClose() method.
Which one should I use? Are they different?

Thanks,
Luigi

EDIT: SessionClose() although visible is private. So remain Close().
However it seems my app does not close properly the session and after opening a new db it does not work as due.

Subject: Re: How to close a sqlite session
Posted by [forlano](#) on Wed, 30 Sep 2015 19:16:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello,

sorry to bother you again with this topic.
Unfortunately I do not master Sql+sqlite and my application is experiencing a very weird behaviour. By sure it is my mistake and not a bug... but I do not know where to look.

Below is the code where the database is:

- a) created if it does not exists;
 - b) read if it exists;
 - c) closed before to read a new database.
- I am afraid it contains some logical error.

```
extern Sqlite3Session sqliteVT; // sqliteVT is defined as a global variable
```

```
void vegadb::SetDatabase(String dbname)
{ //close a database already opened
  if (sqliteVT.IsOpen()) sqliteVT.Close();

  if (!FileExists(dbname)) {
    //create database
    if(!sqliteVT.Open( dbname )) {
      Exclamation("Can't create or open database file");
    }
  }
}
```

```

    return;
}
SQL = sqliteVT;
sqliteVT.SetTrace();
SqlSchema sch(SQLITE3);
All_Tables(sch);
Sqlite3PerformScript(sch.Upgrade());
Sqlite3PerformScript(sch.Attributes());
}
else {
//read database
if(!sqliteVT.Open( dbname )) {
    Exclamation("Can't open database file");
    return;
}
SQL = sqliteVT;
sqliteVT.SetTrace();

}
SQL.ClearError();
}

```

This code (I just copied from other reference program) works perfectly as far as I read a database and continue to work with it until I close the program. If I close the program and start it again to work with a new database it continue to work fine.

The problem arise when I want to abandon the current database and read a new one.

Once I try to open the new database some table is read correctly but other tables seems not read properly. In fact the log file show, for example, the line

```

Preparing: SELECT * FROM PLAYERS WHERE TEAM_ID=? SQL* SELECT * FROM PLAYERS
WHERE TEAM_ID=6 ERROR library routine called out of sequence(0)

```

Just for completeness I show how the PLAYERS table is read:

```

void vegadb::GetPlayersDBData()
{
    VPlayer.Clear();
    SQL.Execute("SELECT * FROM PLAYERS ORDER BY ID ASC, BOARD ASC");
    while(SQL.Fetch()) {
        Player& p = VPlayer.Add( (int) SQL[ID] );
        p.player_id = (int) SQL[ID];
        p.team_id = (int) SQL[TEAM_ID];
        p.board = (int) SQL[BOARD];
        p.name = (String) SQL[NAME];
        p.codetitle = (String) SQL[CAT];
        p.title = p.TitleToCode(); //convert string to number
        p.federation = (String) SQL[FED];
    }
}

```

```
p.data = (String) SQL[BDAY];
p.sex = (String) SQL[SEX];
p.idfide = (int) SQL[IDFIDE];
p.ratingfide = (int) SQL[RTGFIDE];
p.idnat = (String) SQL[IDNAT];
p.ratingnat = (int) SQL[RTGNAT];
p.kcoeff = (int) SQL[K];
}
}
```

I do not know where to look because the error appear only when I try to open the second database.

Thanks you very much for any suggestion.

Luigi

Subject: Re: How to close a sqlite session
Posted by [forlano](#) on Fri, 02 Oct 2015 19:58:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello,

after reading many posts, I tried to remove all instance of SQL in the code and now it seems to work as expected.

Mirek adviced to avoid SQL.Fetch() and I had several although they looked not dangerous. Anyway now they disappeared.

thanks,
luigi

Subject: Re: How to close a sqlite session
Posted by [Didier](#) on Mon, 05 Oct 2015 16:57:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Forlano,

I'm very far from being a DB expert but I have a quite big app in which I don't have SQLite problems.

But I never use SQL ==> it's a global instance.
Instead I use a session variable : `Sqlite3Session sqlite3;`

Everywhere you used SQL use sqlite3 instead

Subject: Re: How to close a sqlite session
Posted by [wimpie](#) on Mon, 15 Feb 2016 23:26:05 GMT
[View Forum Message](#) <> [Reply to Message](#)

I've had the same problems. I'm curious why using global SQL would cause this.
For me it happened only on windows, VC9 if I remember correctly. compiling on Linux didn't seem to have the problem
