
Subject: `sqlite3 Custom Function in SqlExp`
Posted by [JeyCi](#) on Wed, 28 Jul 2021 16:37:58 GMT
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I will put a little example (see attached console project) without `SqlExp`.
As so as simple math functions is problematic to do (e.g. multiply 2 columns), I decided to create Custom Function for this purpose.

Done:

C.F. with `#include sqlite3.h` from `MSYS2 32x mingw gcc 9.3` -- in addition to `U++ sqlite3 plug-in`;
so C.F. was done in foreign lib to `U++`, but it works in `Sql sql; sql.Execute("...")` `U++` query

Problem:

I would like to use this C.F. in `U++ SqlExp Update` query & to my viewpoint `U++ Update` is much quicker than `sqlite3 SQL Update` (~30 sec per 14000 records plus 30sec for fixing changes in `db_sqlite3`) -- as I noticed (`U++ SqlExp Update` was being done much quicker)... therefore I would like to make this C.F. able to be used as a part of `SqlExp` or inside `SqlExp` - in order to use it in quicker `U++ Update-Select` later on... preferably without Fetching (like here in example for update)

I've got away my attempts with Model for `SqlExp` from attached project, just left working query...

And the Question is:

Is it possible to use e.g. such C.F. in `U++ SqlExp`? How to make it to work? (because in my attempts I had no success) -- I'm not attaching these fault attempts

p.s.

for any case: Build Method Common Options -

`-msse2 -D__CRT__NO_INLINE -DSQLITE_CORE`

All static

File Attachments

1) [test_custom_fx_sqlite.zip](#), downloaded 227 times

Subject: `Re: sqlite3 Custom Function in SqlExp`
Posted by [JeyCi](#) on Wed, 28 Jul 2021 17:58:24 GMT
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JeyCi wrote on Wed, 28 July 2021 18:37As so as simple math functions is problematic to do (e.g. multiply 2 columns), I decided to create Custom Function for this purpose.

...

to use it in quicker `U++ Update-Select` later on... preferably without Fetching
sorry to hurry with this topic - in my final project everything works as I desired - without C.F.,
normal multiplication, & Update OK in `SqlExp`

```
it* Update(j)(IT, Case(t == "C", (f*k)-s) \  
    (t == "P", s-(f*k)));
```

- with appropriate `Sqllds`...

- my real problem is solved

p.s.

in any case:

let the example of C.F. just be in mind...

Subject: Re: sqlite3 Custom Function in SqlExp
Posted by [JeyCi](#) on Thu, 29 Jul 2021 02:32:46 GMT
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BTW, in attached C.F. it's better to add error-checking, like here, - just for info.
