Subject: "simple" connection and operation with database
Posted by BetoValle on Tue, 20 Oct 2020 02:19:06 GMT
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Hi, I have difficulties to assimilate the evolution of U ++. In this way I come to ask for your help:

could show an example, how to connect to the sqlite3 and mysql databases, without using the ".sch" structure, that is, in the conventional way.
for example how to read a vector from a data class and transfer it to the database using an insert, update, delete and then the reverse process: read the data set and transfer it to the class vector.
I think that to understand the current structure, I have to start from an old structure. This will make it less laborious.

thanks

Subject: Re: "simple" connection and operation with database
Posted by BetoValle on Tue, 20 Oct 2020 13:44:21 GMT
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Hi, this work!

(i.e. console)

```
#include <MySql/MySql.h>

using namespace Upp;

int main ( int argc, const char *argv[] )
{
 MySqlSession session;

 if ( session.Connect ( "root", "10", "test" ) )
 {

  Cout() << "Connected\n";
  Sql sql ( session );

        const String dq="\"";

  try
  {
   sql.Begin();

   for ( int i = 0; i < 10; i++ )
    sql.Execute ( "insert into test_table(ID, VALUE) values (?, ?)", i, AsString ( 3 * i ) );
```

```
  sql.Clear();

  String a = "";

  String b = "";

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

  while ( sql.Fetch() )
  {
   Value v;
   sql.GetColumn ( 0, v );

   b  << AsString ( sql["ID"] ) + " , " + AsString ( sql["VALUE"] ) << "\n";
   a += b;

  }

  LOG ( a );

  sql.Clear();

  sql.Execute ( "UPDATE test_table Set VALUE="+dq+"zero"+dq+" where VALUE="+dq+"9"+dq);

     sql.Execute ( "DELETE FROM test_table where VALUE="+dq+"3"+dq+" or
VALUE="+dq+"18"+dq);

  sql.Commit();

 }

 catch ( SqlExc &ex )
 {
  Cerr() << "ERROR: " << ex << "\n";
  SetExitCode ( 1 );
 }
}

else
{

 Cerr() << "ERROR: Unable to connect to database\n";

 SetExitCode ( 1 );

}

SetExitCode ( 0 );
```

}

and from now on, the next step would be this example using SQL Schema Files!
