



DIVISION OF  
DIGITAL CONTENTS  
DONGSEO UNIVERSITY

Database

# OTL v4 Database Test

[jintaeks@dongseo.ac.kr](mailto:jintaeks@dongseo.ac.kr)

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```

#include "otlv4.h" // include the OTL 4.0 header file

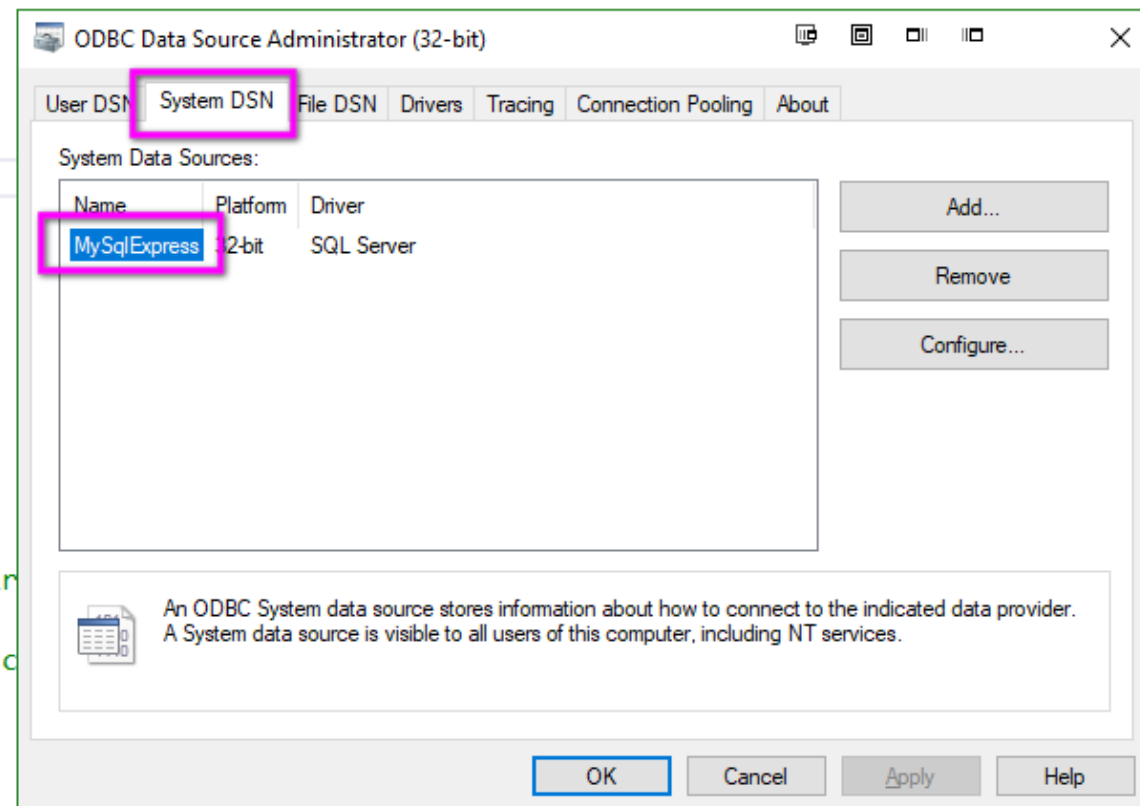
otl_connect db; // connect object

void select()
{
    otl_stream i(50, // buffer size
        "select loginName from MyUser",
        // SELECT statement
        db // connect object
    );

    // create select stream
    char f2[31];
    while (!i.eof()) { // while not end-of-data
        i >> f2;
        std::cout << "f2=" << f2 << std::endl;
    }
}

int main()
{
    otl_connect::otl_initialize(); // initialize ODBC environ
    try {
        db.rlogon("UID=sa;PWD=1234;DSN=MySqlExpress"); // c
        select(); // select records from table
    }
    catch (otl_exception& p) { // intercept OTL exceptions
        std::cerr << p.msg << std::endl; // print out error message
        std::cerr << p.stm_text << std::endl; // print out SQL that caused the error
    }
}

```



SQLQuery1.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (52))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
  - System Databases
  - Customer
  - Security
  - Server Objects
  - Replication
  - Management
  - XEvent Profiler

SQLQuery1.sql - JIN...Customer (sa (52))\*

```
select * from MyUser
```

194 %

Results Messages

	loginName	nickName	age	creationDate
1	jintaeks	jintaeksNick	51	2019-04-12 22:45:39.863
2	jintaeks2	jintaeksNick2	51	2019-04-12 23:23:23.907

Properties

Current connection parameters

**Aggregate Status**

Connection failure:

Elapsed time 00:00:00.315

Finish time 4/15/2019 9:17:35 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 2

Start time 4/15/2019 9:17:34 PM

State Open

**Connection**

Connection name JINTAEKS2-PC\SQLEXPRESS

**Connection Details**

Azure Active Direct

Connection elapsed 00:00:00.315

Connection encrypt Not encrypted

Connection finish time 4/15/2019 9:17:35 PM

Connection rows returned 2

Connection start time 4/15/2019 9:17:34 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 52

**Name**

The name of the connection.

Query executed successfully. JINTAEKS2-PC\SQLEXPRESS (12... sa (52) Customer 00:00:00 2 rows

Ready Ln 1 Col 1 Ch 1 INS

The image shows a Visual Studio IDE with a C++ project named OtlTest. The code in OtlTest.cpp is as follows:

```
4  #include "otlv4.h" // include the OTL 4.0 header file
5
6  otl_connect db; // connect object
7
8  void select()
9  {
10     otl_stream i(50, // buffer size
11                 "select loginName from MyUser",
12                 // SELECT statement
13                 db // connect object
14             );
15
16     // create select stream
17     char f2[31];
18     while (!i.eof()) { // while not end-of-data
19         i >> f2;
20         std::cout << "f2=" << f2 << std::endl;
21     }
22 }
23
24 int main()
25 {
26     otl_connect::otl_initialize(); // initialize
27     try {
28         db.rlogon("UID=sa;PWD=1234;DSN=MySqlExpre
29         ...
```

The Microsoft Visual Studio Debug Console shows the following output:

```
f2=jintaeks
f2=jintaeks2
C:\Svn\jintaeks\DiconServer\DatabaseProject\Debug\OtlTest.exe
Press any key to close this window . . .
```

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# MY **BRIGHT** FUTURE

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