

# Connect To MySQL Using ODBC Driver

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## ODBC driver for MySQL

Programs may connect to MySQL databases via ODBC drivers.

One ODBC driver for MySQL is Connector/ODBC. It can be downloaded from <http://dev.mysql.com/downloads/connector/odbc/5.1.html>

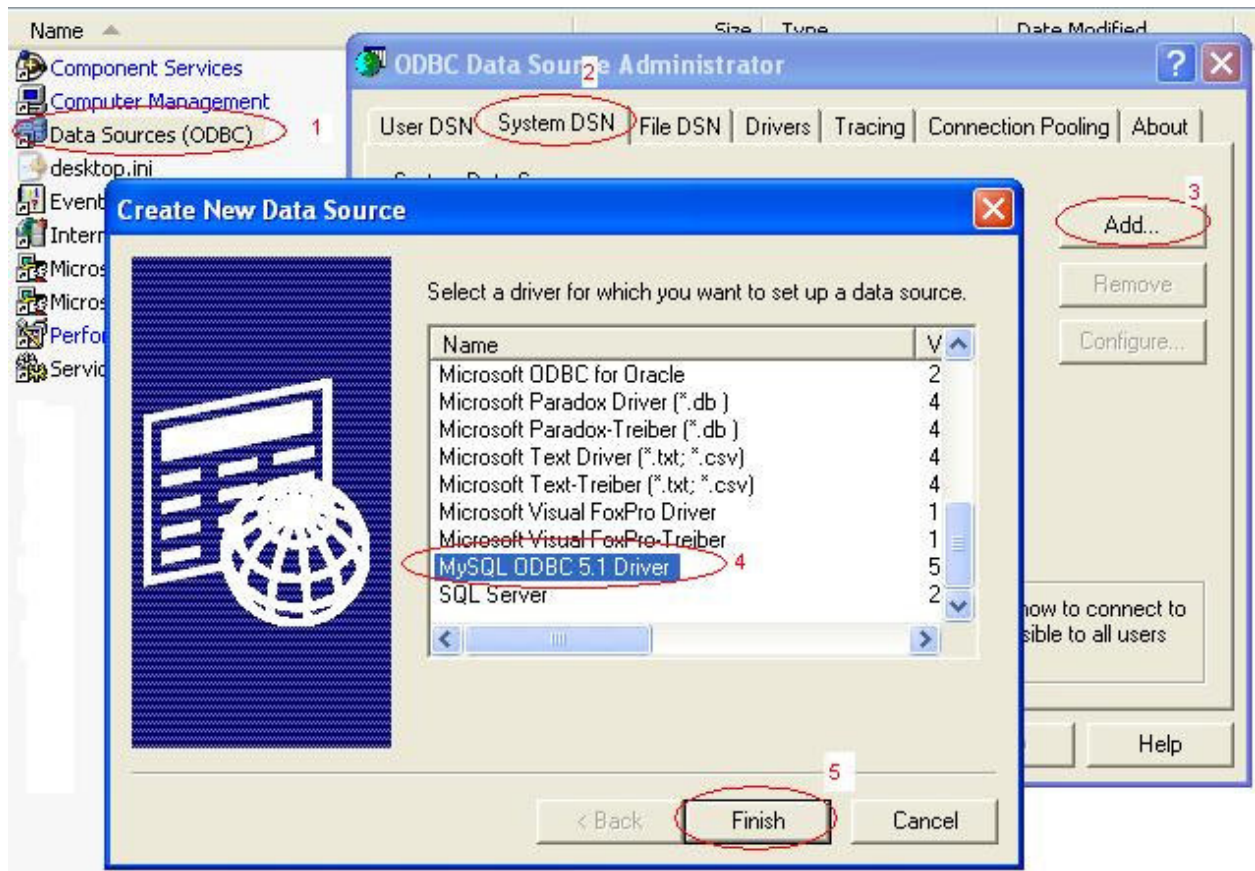
## Create ODBC Data Source

Note that the ODBC driver must be installed AFTER MySQL server being installed. If MySQL server is uninstalled and reinstalled, the ODBC driver has to be uninstalled and reinstalled as well.

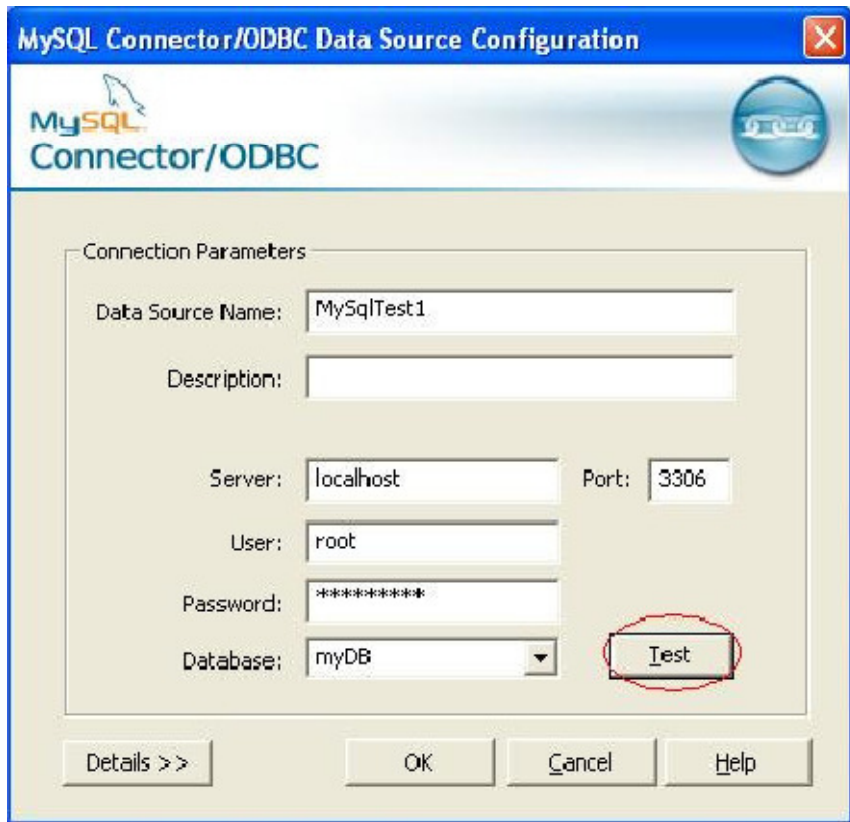
From Control Panel -> Administrative Tools, launch Data Sources (ODBC):



Add a system data source:



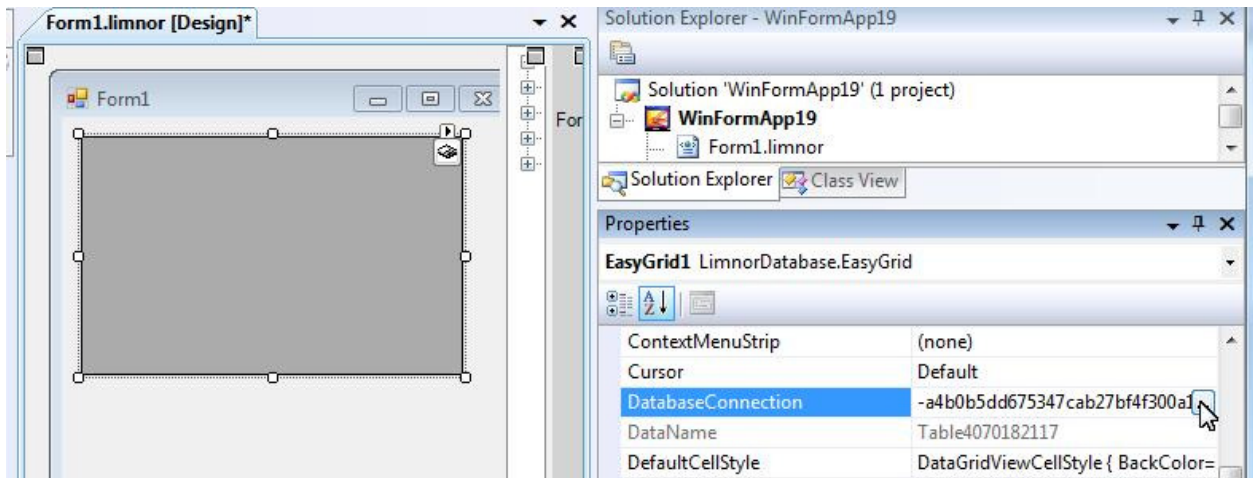
You may give a Data Source Name and Description. The other parameters must match the settings on your computer:



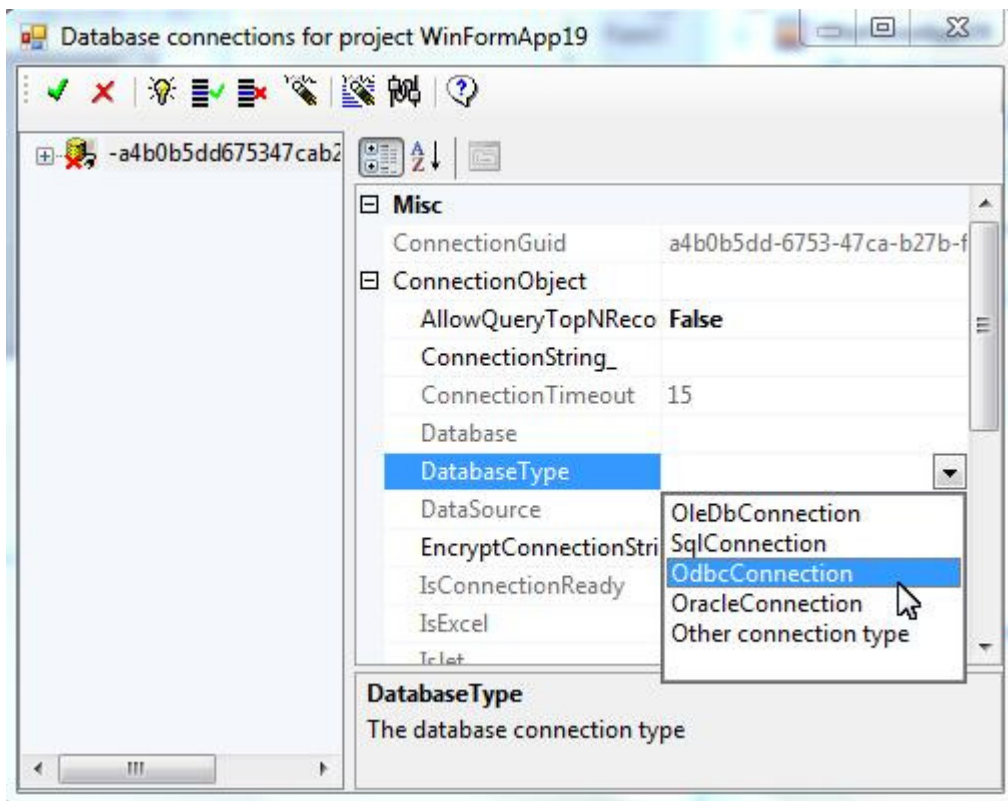
The Server should be an IP address or the server name for the computer where MySQL server is installed. You can use localhost only if MySQL is installed on the same machine. Click Test button to make sure the settings you entered are correct.

## Use MySQL ODBC in Project

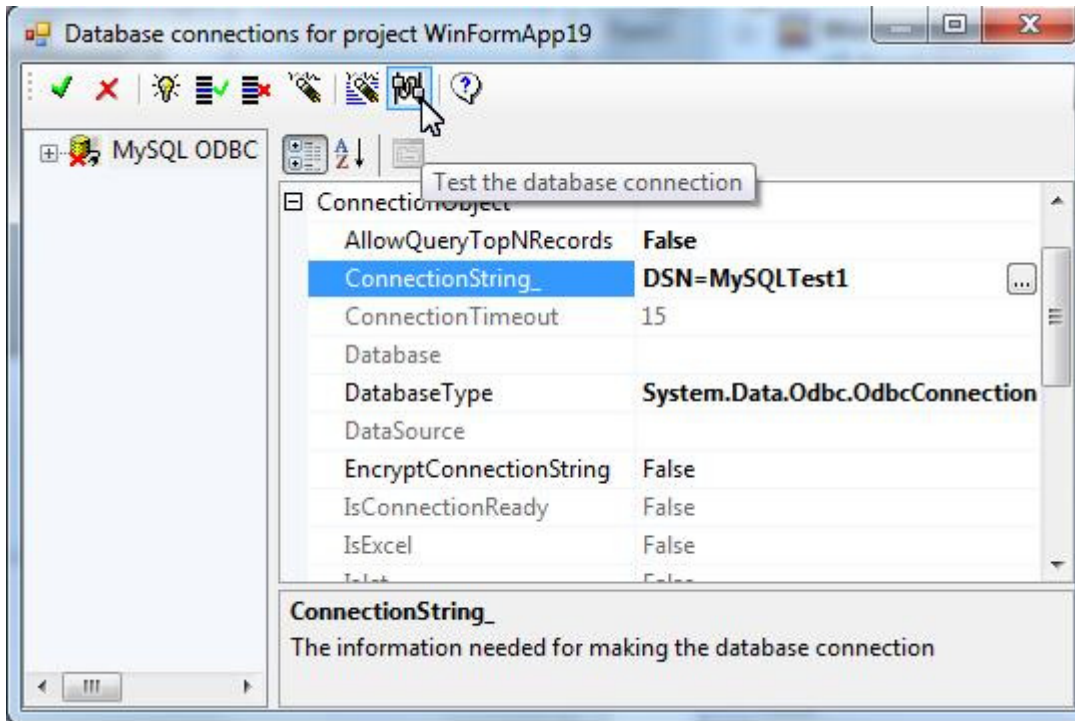
As for using any database connection we set DatabaseConnection property to start using MySQL database:



Choose OdbcConnection to use an ODBC data source:



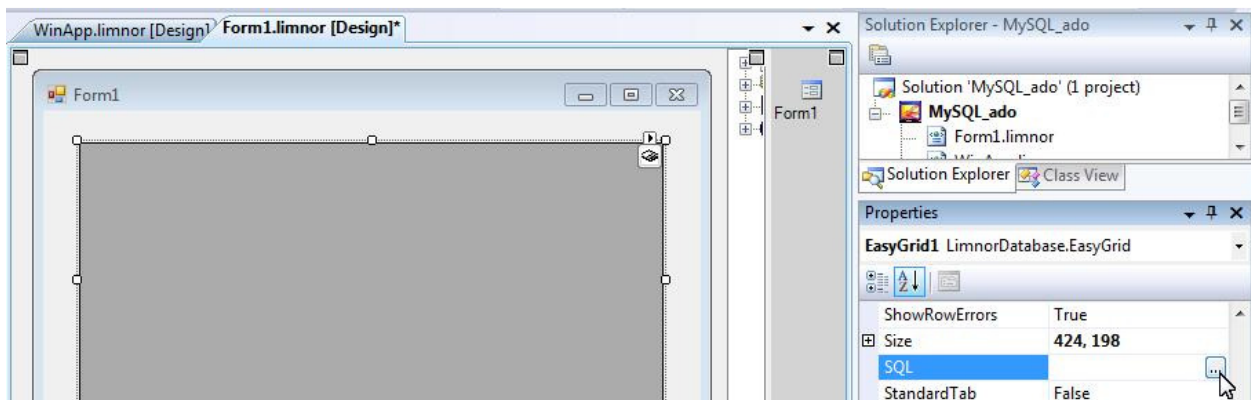
Give a connection name for this new database connection. You may use any name. Here we just use the MySQL ODBC data source name for easy of remember. To use any ODBC data source, type in “DSN=<ODBC data source name>”. In our case, it is “DSN=MySQLTest1”:



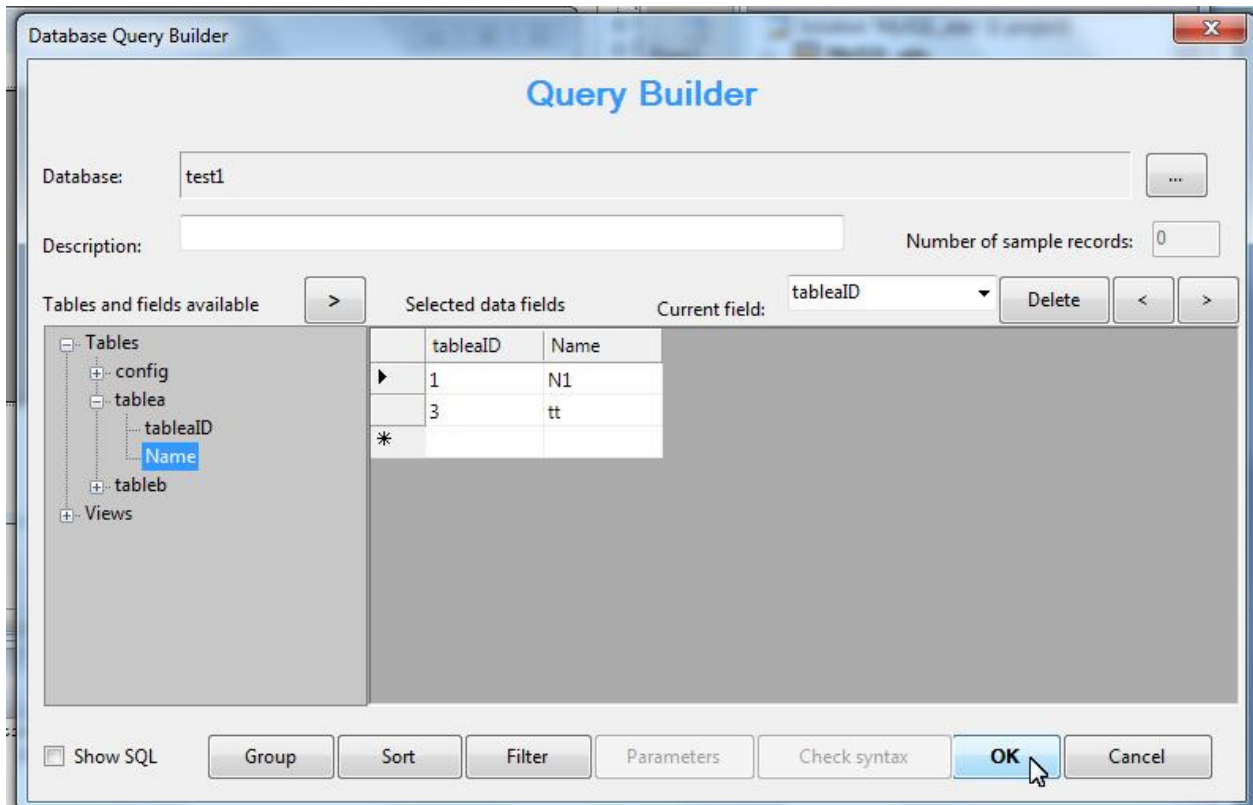
Click . This database connection is defined.

The rest of the using database is the same as using any other databases.

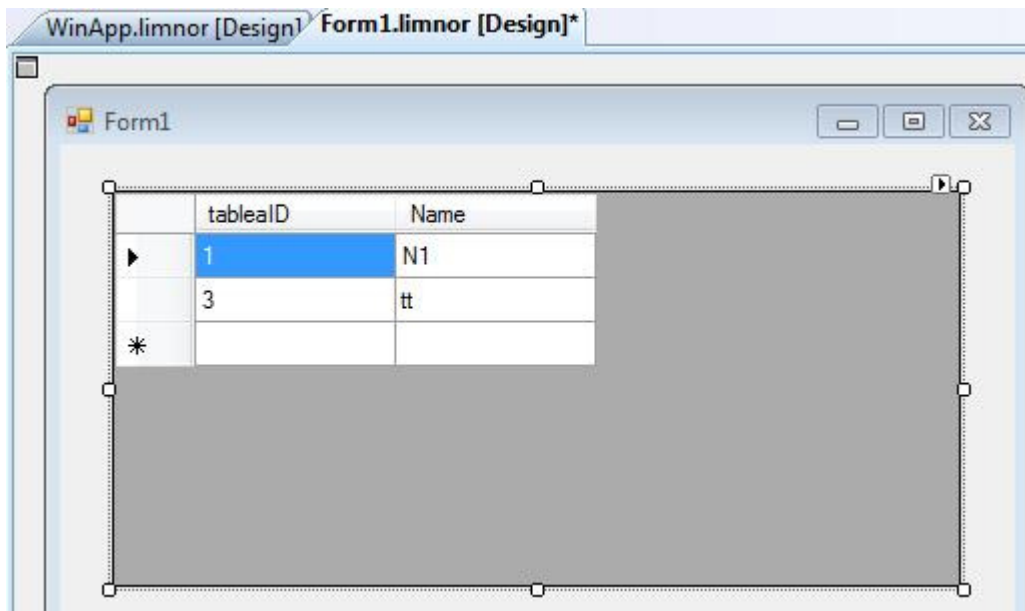
Set its SQL property:



Construct the query to get the data we want:



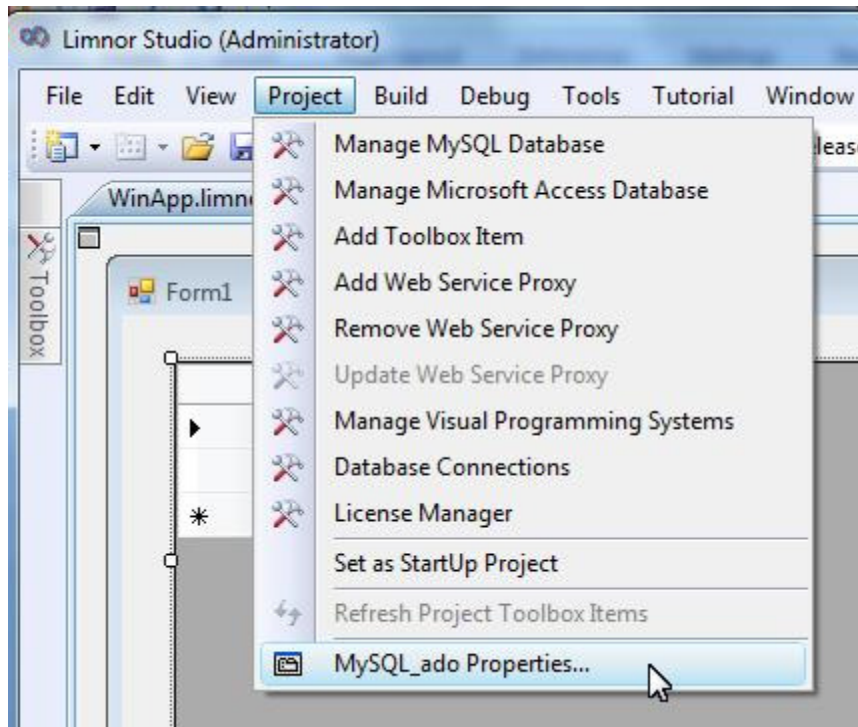
The data appear in the grid:



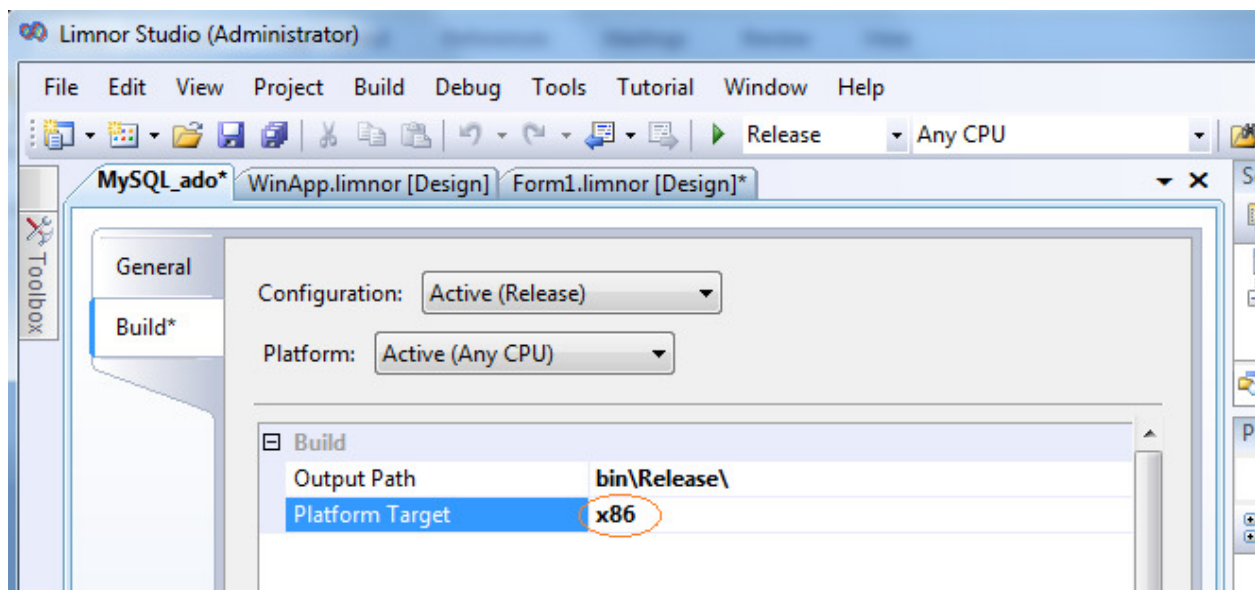
## Compile Project into 32-bit Software

Note that Connector/ODBC has a 32-bit version and a 64-bit version. If the 32-bit version is used then programs using it must be compiled into 32-bit.

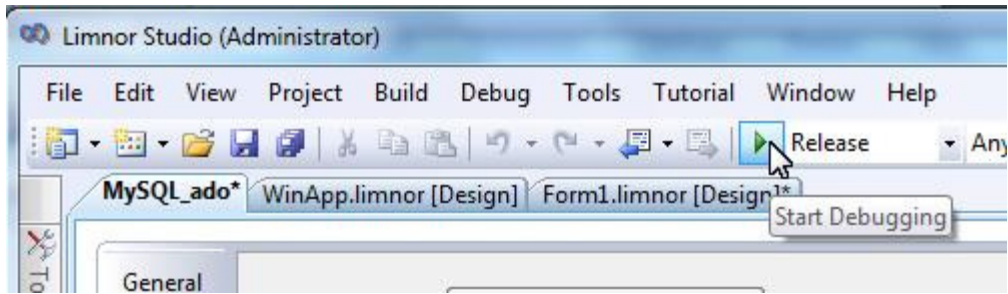
Open project properties:



Select Build. Set "Platform Target" to x86:



Now we may test the program:



The application runs. The data from the MySQL database are displayed in the grid.

