

# Connect To MySQL Using ADO.Net Driver

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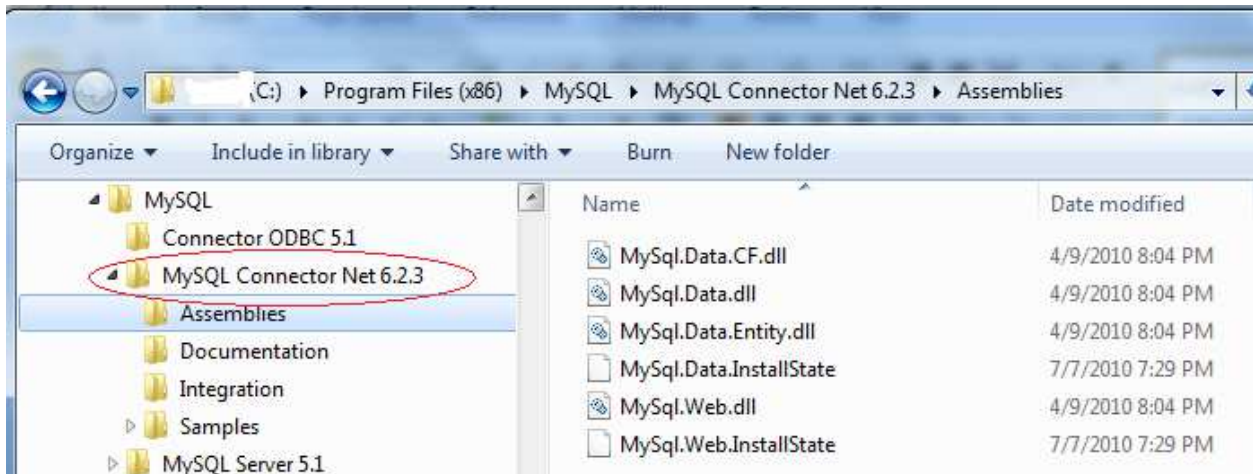
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## ADO.NET driver for MySQL

Programs may connect to MySQL databases via ADO.Net drivers.

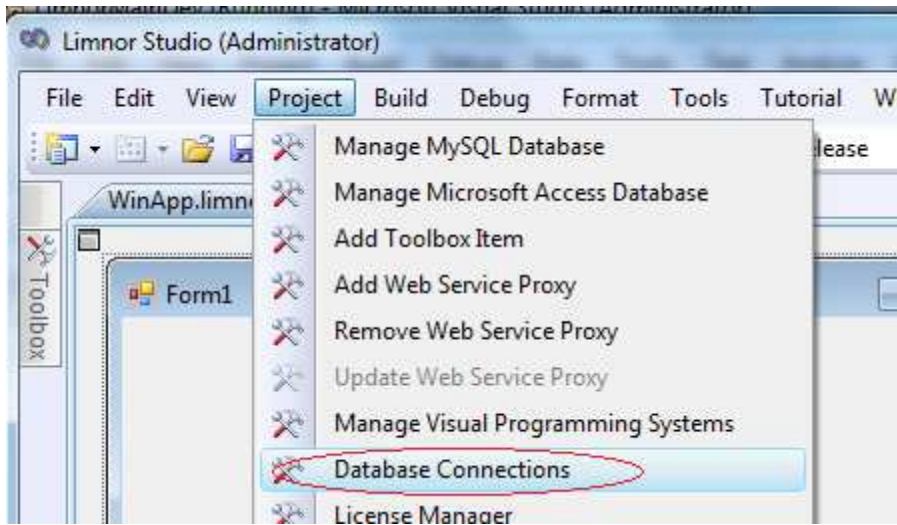
One ADO.NET driver for MySQL is Connector/Net. It can be downloaded from <http://dev.mysql.com/downloads/connector/net/>.

Run mysql.data.msi to install the driver.

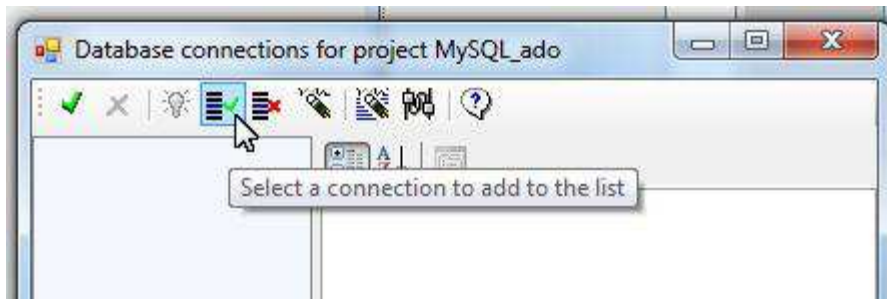


## Use MySQL ADO.Net Driver

To add a MySQL connection to the project, choose menu "Database Connections"



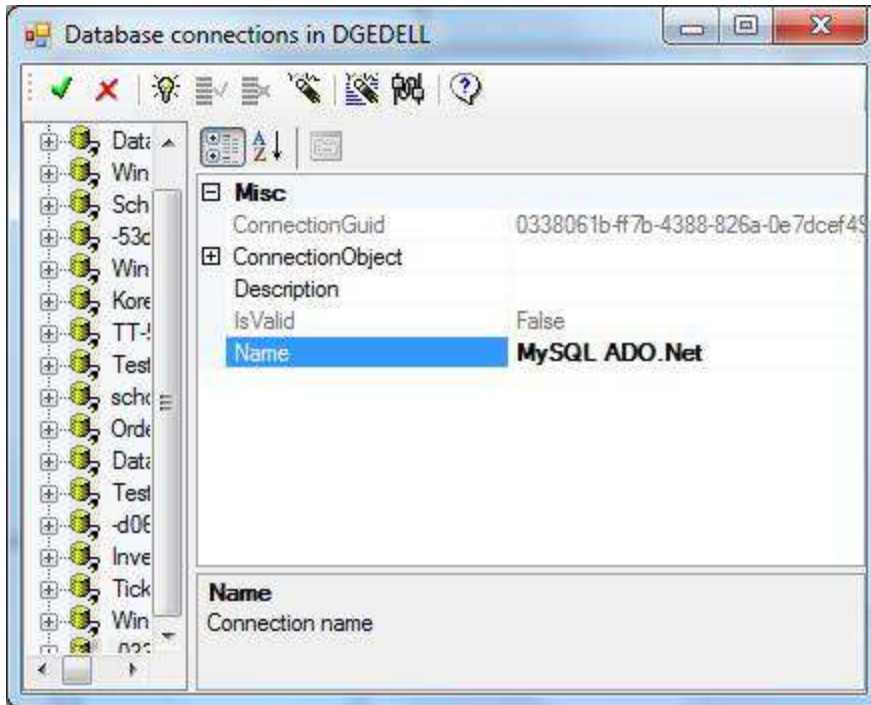
Select a connection to add to this project:



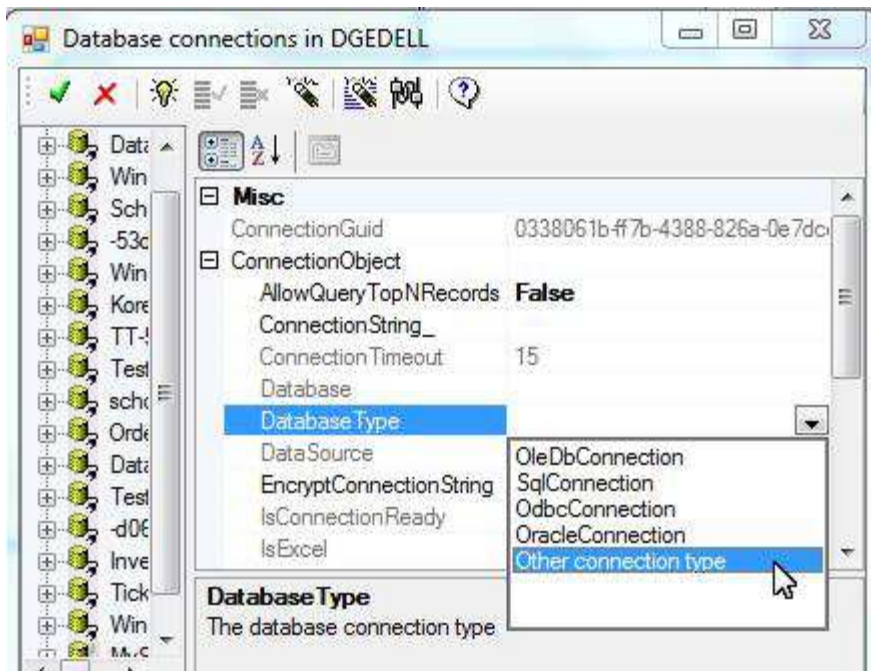
Create a new database connection:



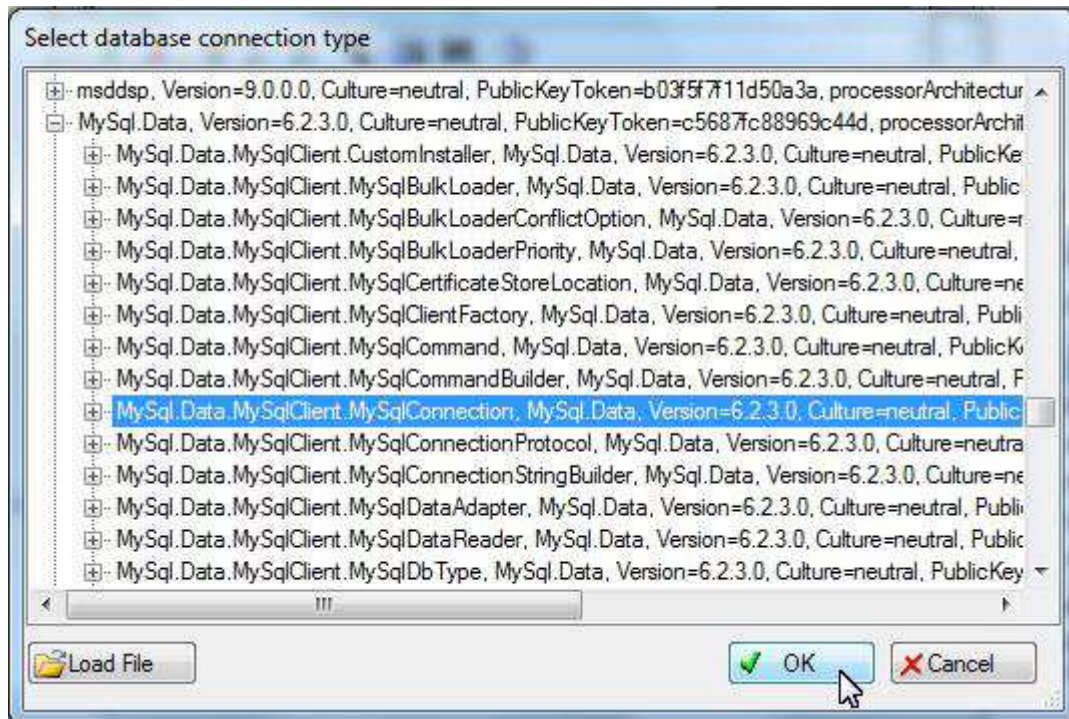
Give the new database connection a name:



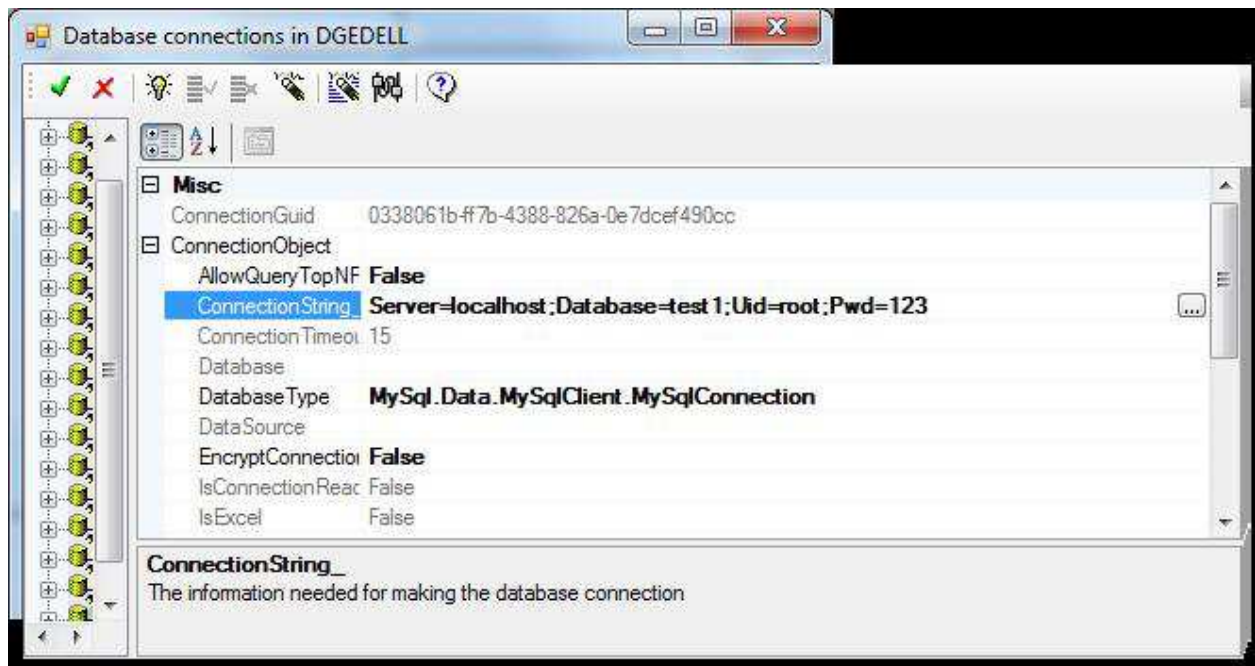
Choose "Other connection type" for the DatabaseType property:




Choose "MySql.MySqlClient.MySqlConnection". Click OK:




Set the `ConnectionString_` property:

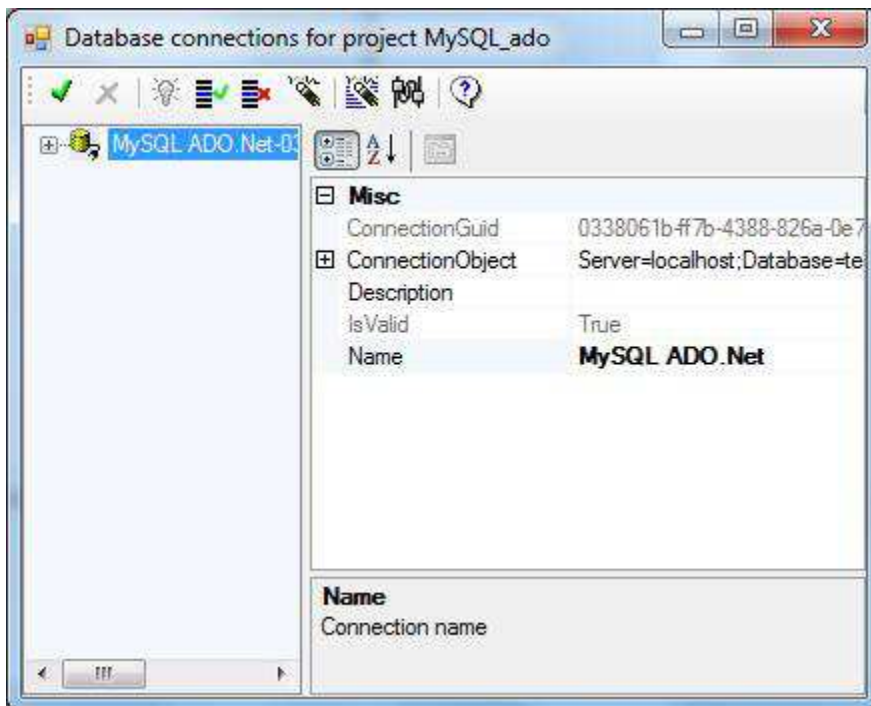



For more information on how to make a connection string, see [http://dev.mysql.com/tech-resources/articles/ebonat-connection-string-vb-net.html#\\_Toc159381181](http://dev.mysql.com/tech-resources/articles/ebonat-connection-string-vb-net.html#_Toc159381181)

Click  to test the connection:



Click . This new database connection is in the list for this project:

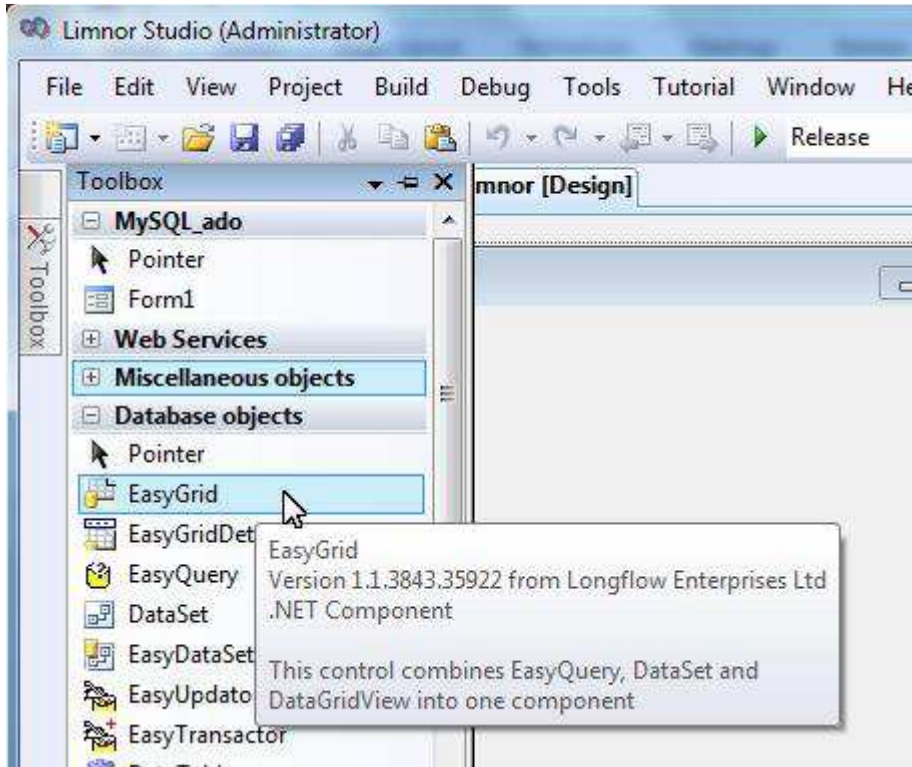


Click  to finish creating database connections for this project.

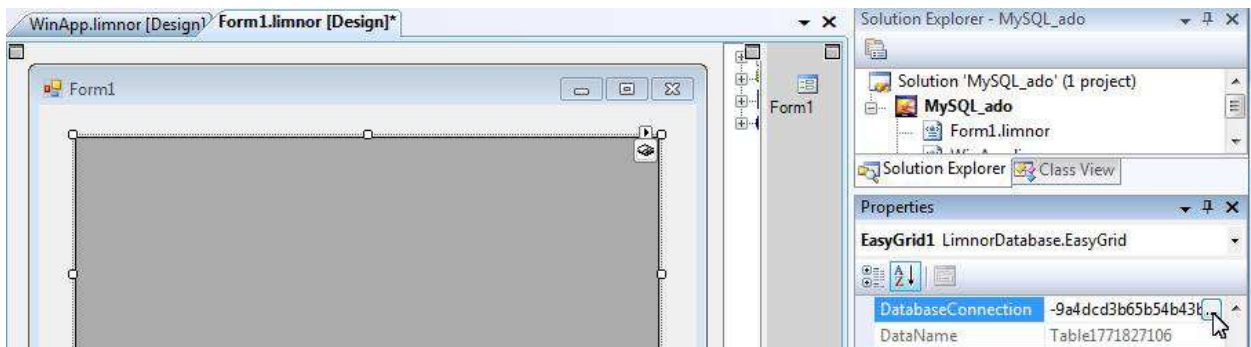
## Use Data from MySQL Database

Once we have the connection to the MySQL database, we may use data from it. Basically there is not a difference between using data from other types of databases.

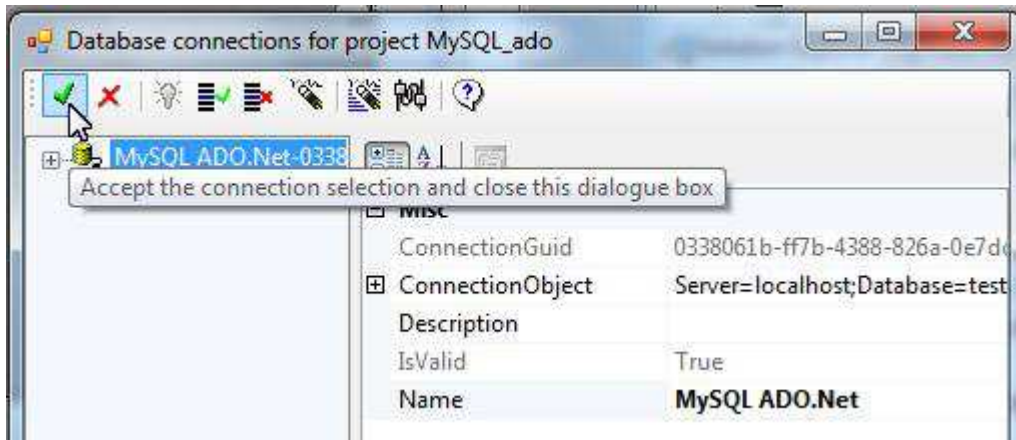
For example, we may use EasyGrid to display data:



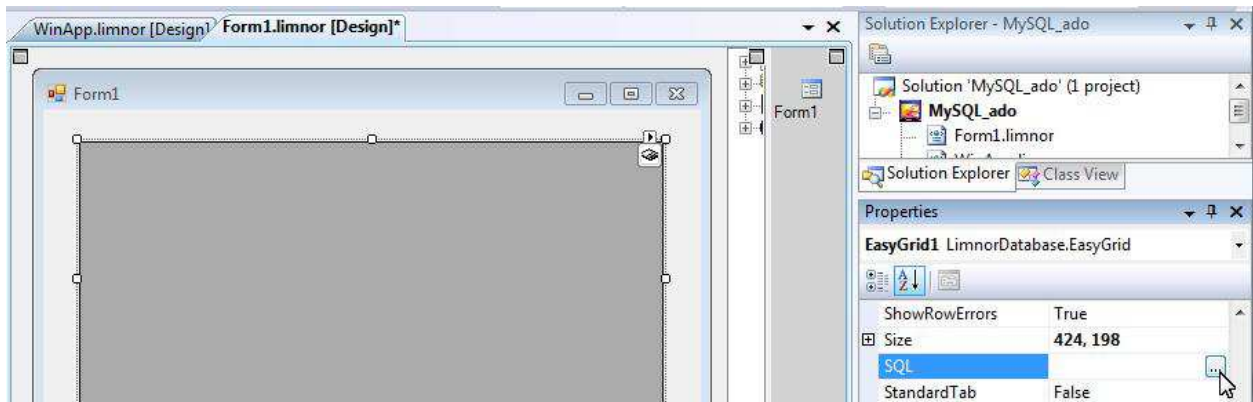
Set its DatabaseConnection property:



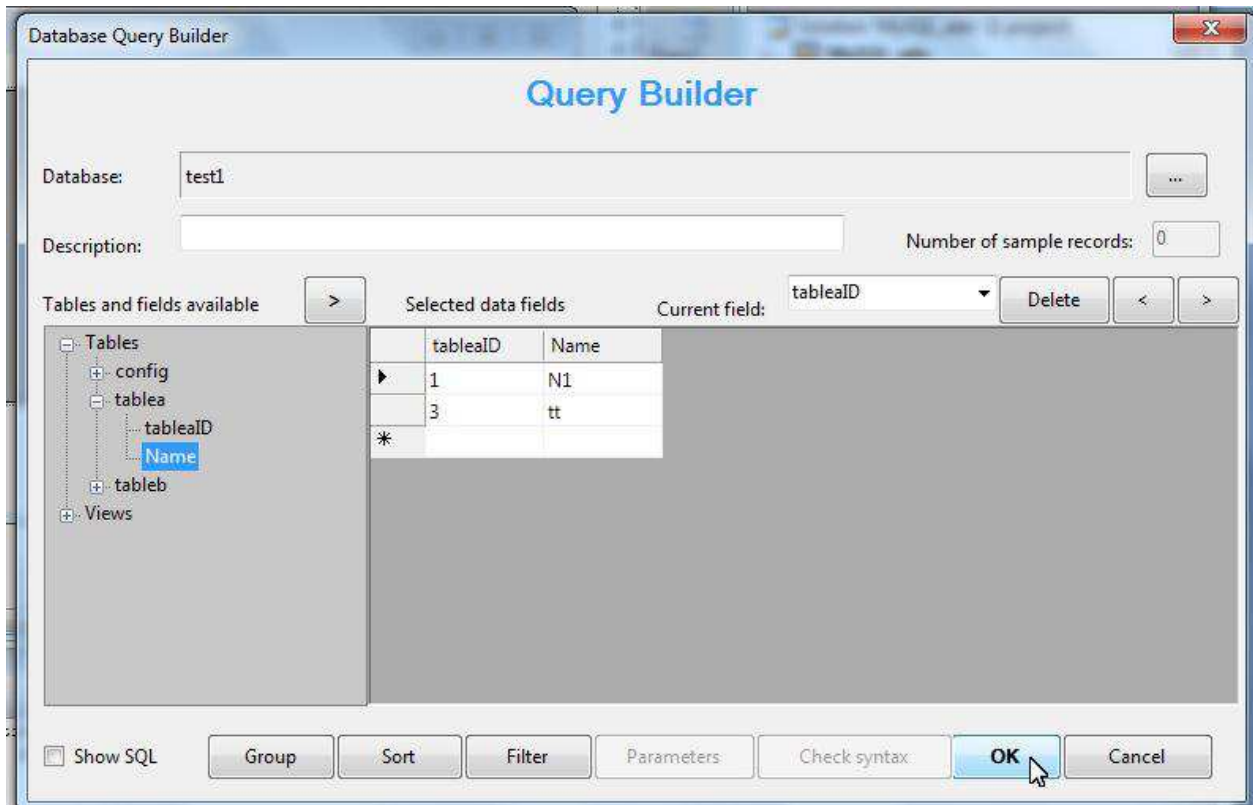
Select the MySql connection:



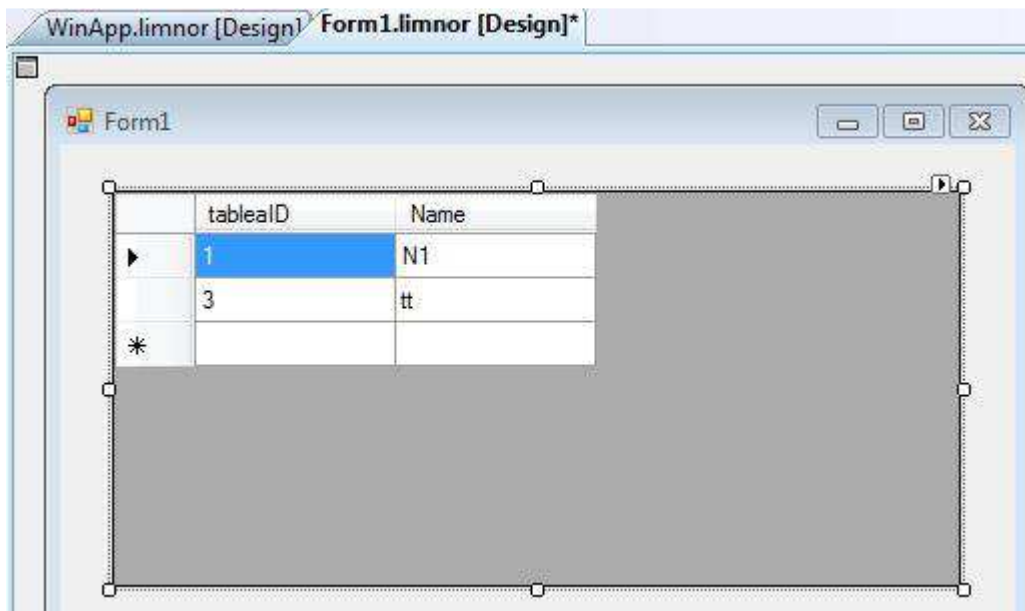
Set its SQL property:



Construct the query to get the data we want:



The data appear in the grid:

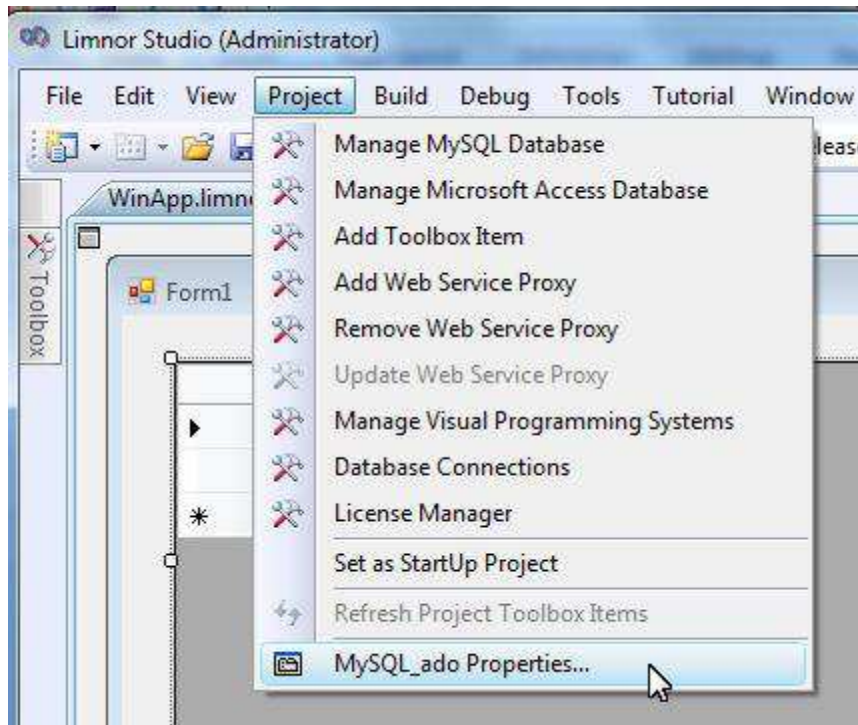


## Compile Project into 32-bit Software

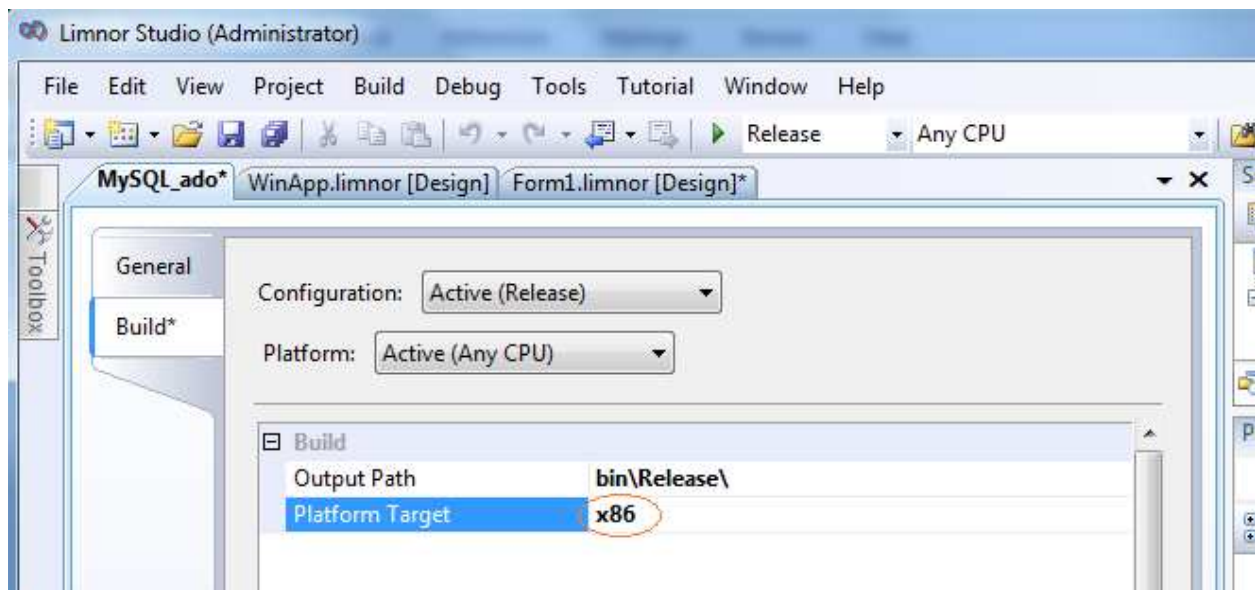
Note that Connector/Net is a 32-bit program. Our programs using it must be compiled into 32-bit. For more details, please see [http://www.limnor.com/studio\\_x86.html](http://www.limnor.com/studio_x86.html)



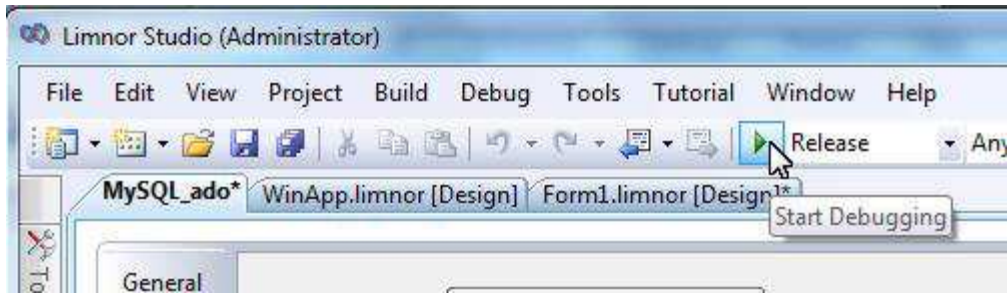
For Limnor Studio VS edition, open project properties:



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.

