

How to build MySQL database Drivers

1.check the mysql drivers available or not?

```
#include <QCoreApplication>

#include <QSqlDatabase>

#include <QDebug>

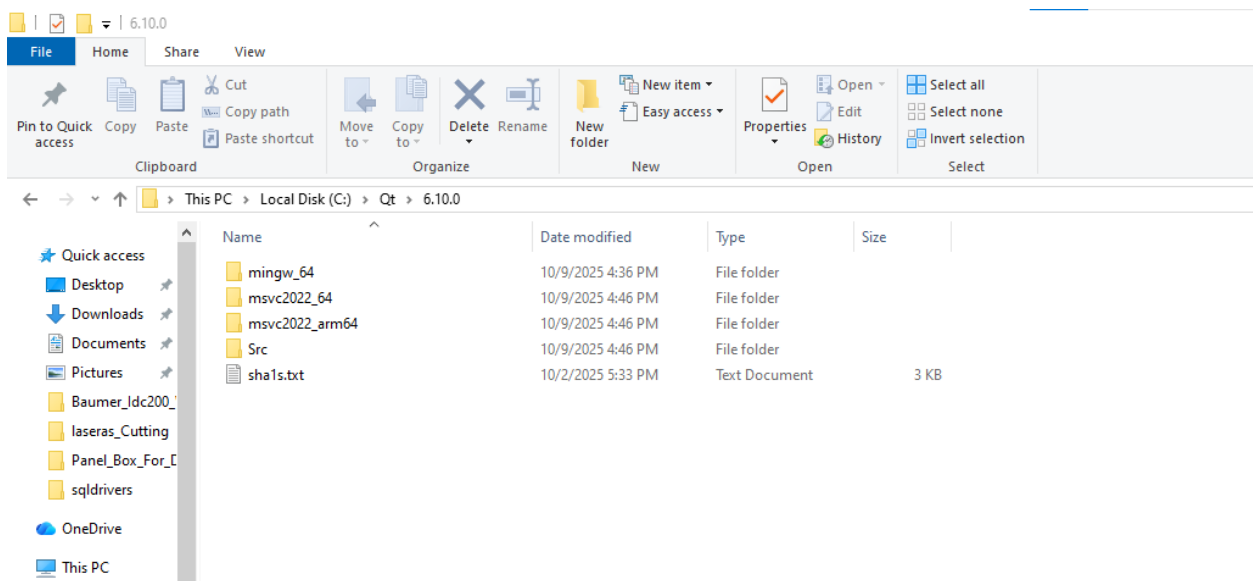
int main(int argc, char *argv[])
{
    QCoreApplication a(argc, argv);

    qDebug() << "Available SQL drivers:" << QSqlDatabase::drivers();

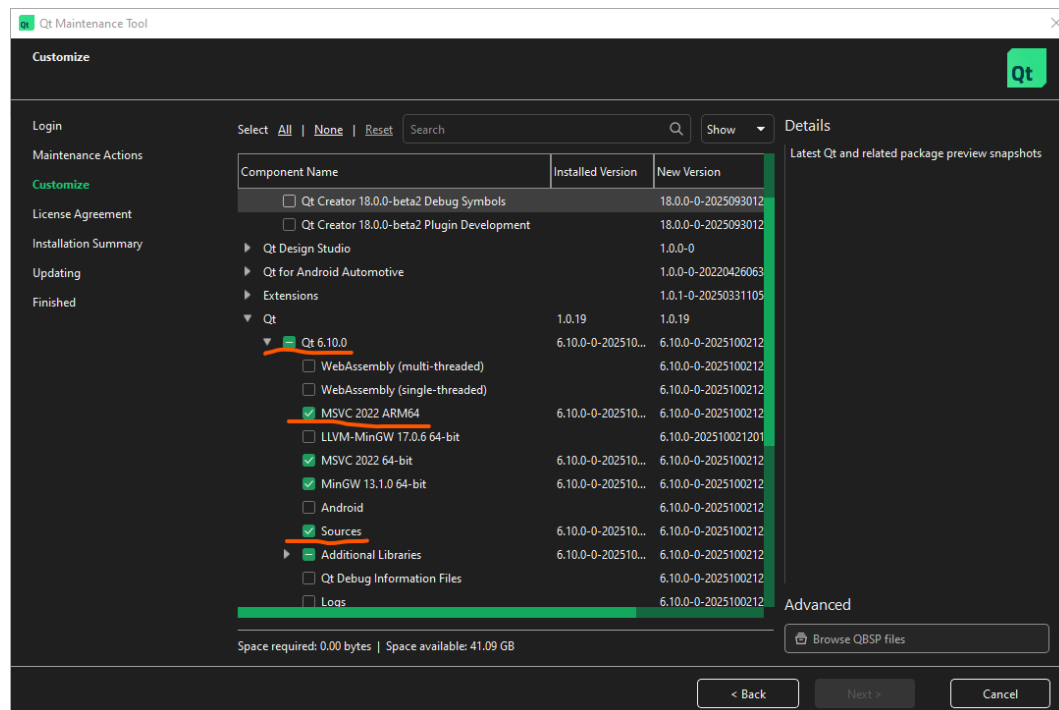
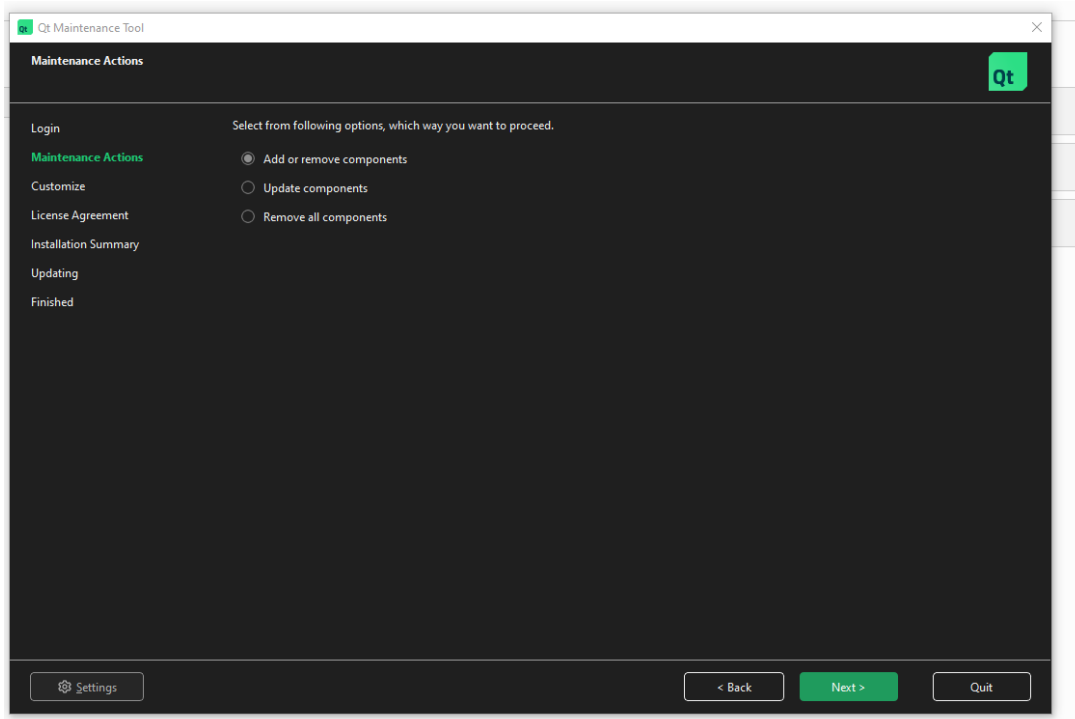
    return 0;
}
```

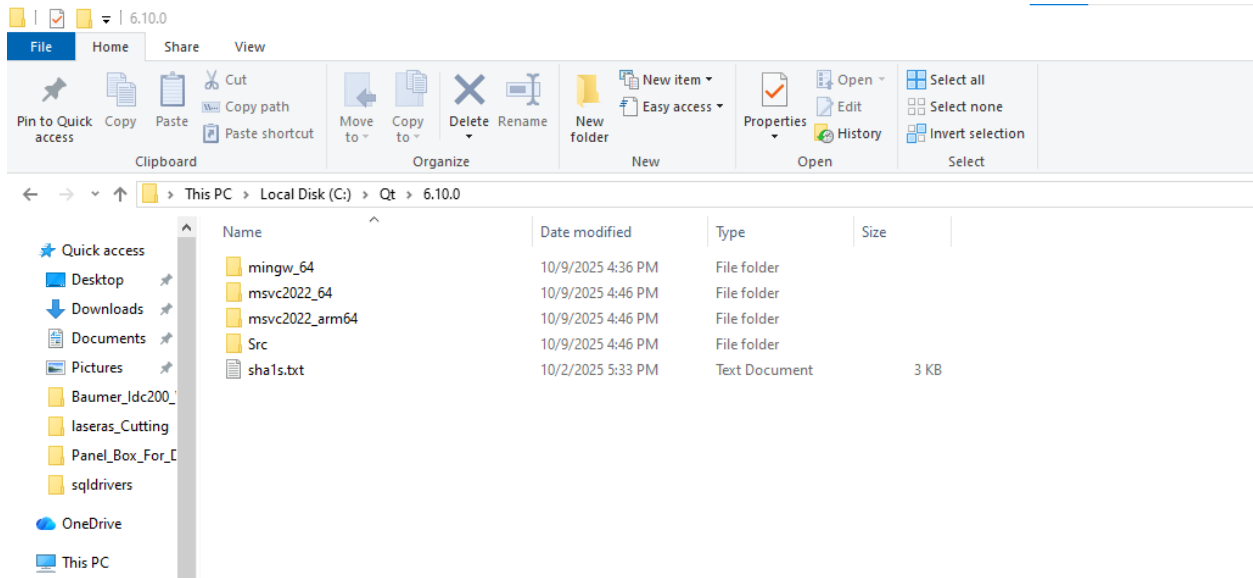
Available SQL Drivers: QList("QIBASE", "QSQLITE", "QMIMER", "QMARIADB", "QOCI", "QODBC", "QPSQL")

2.check in qt6 folder src(source) and MvSC are available or not?



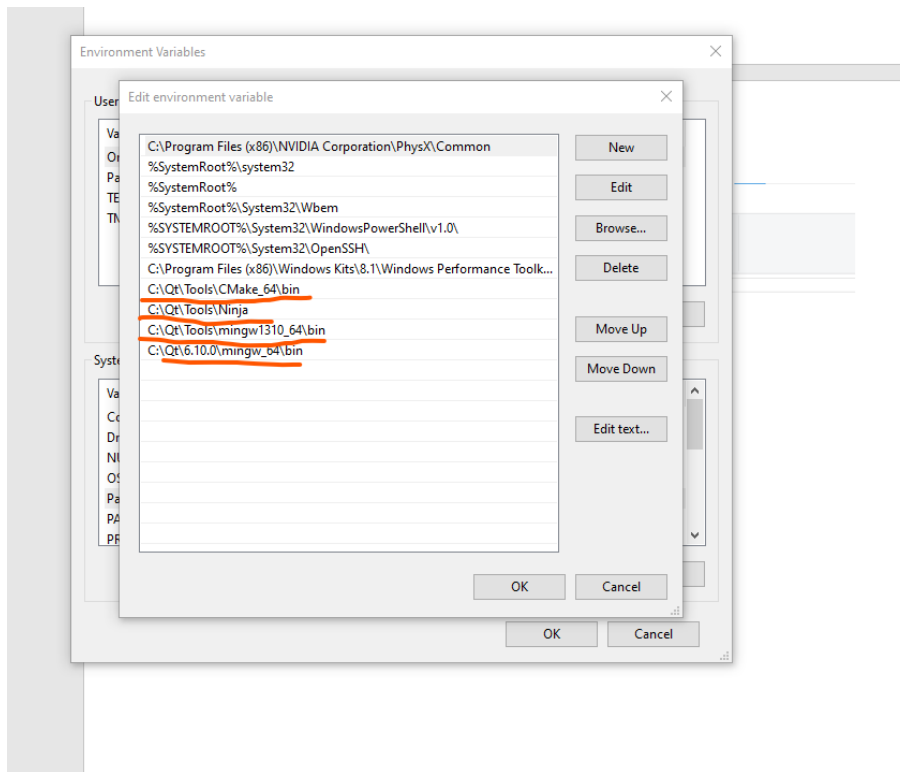
If src(source) folder and MVSC are not available then install using Maintenance tool of qt.





Install successfully in Qt/6.10.0/ folder.

3.now , set the Envirment Variable::

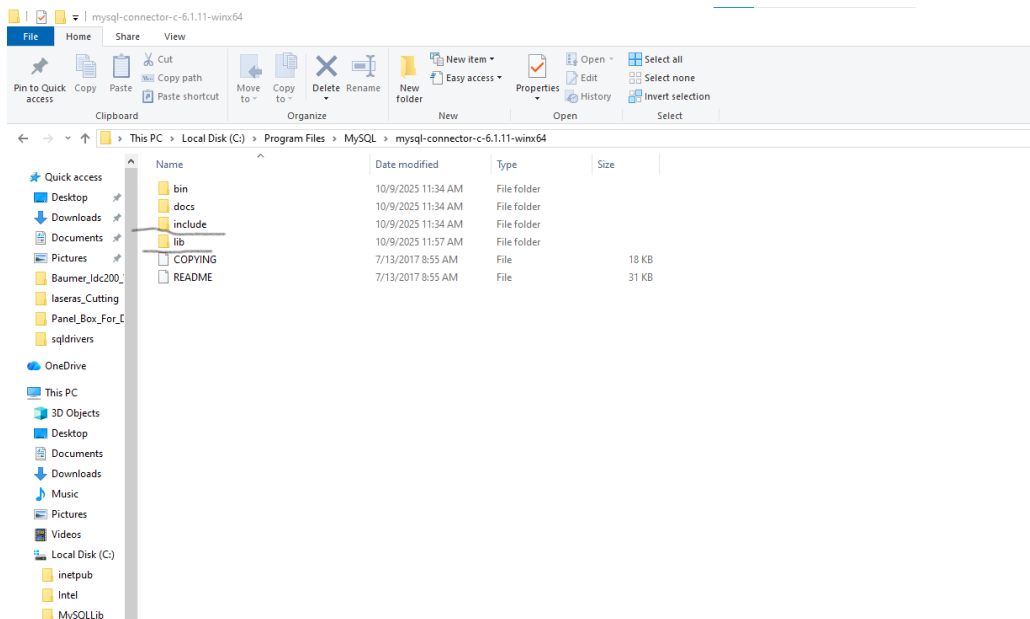
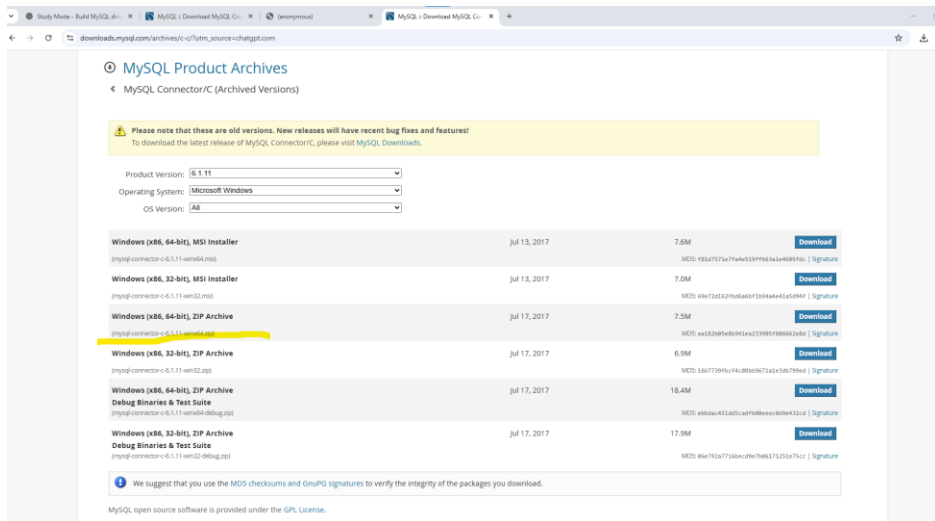


- C:\Qt\Tools\CMake_64\bin
- C:\Qt\Tools\Ninja
- C:\Qt\Tools\mingw1310_64\bin
- C:\Qt\6.10.0\mingw_64\bin

4. Now, check you have a MySQL Connector c::

If you don't have then install it:

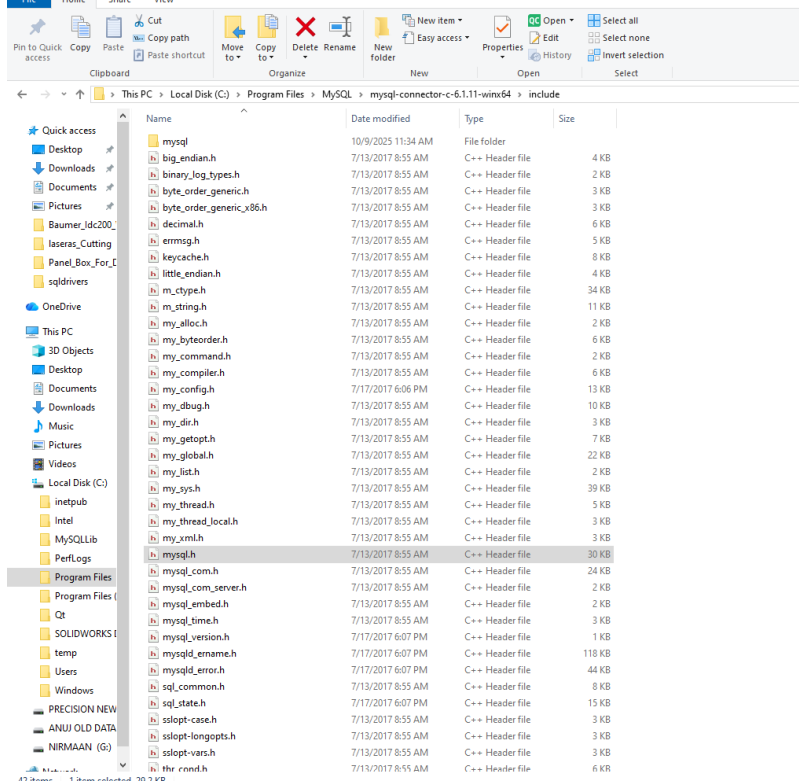
- https://downloads.mysql.com/archives/c-c/?utm_source=chatgpt.com



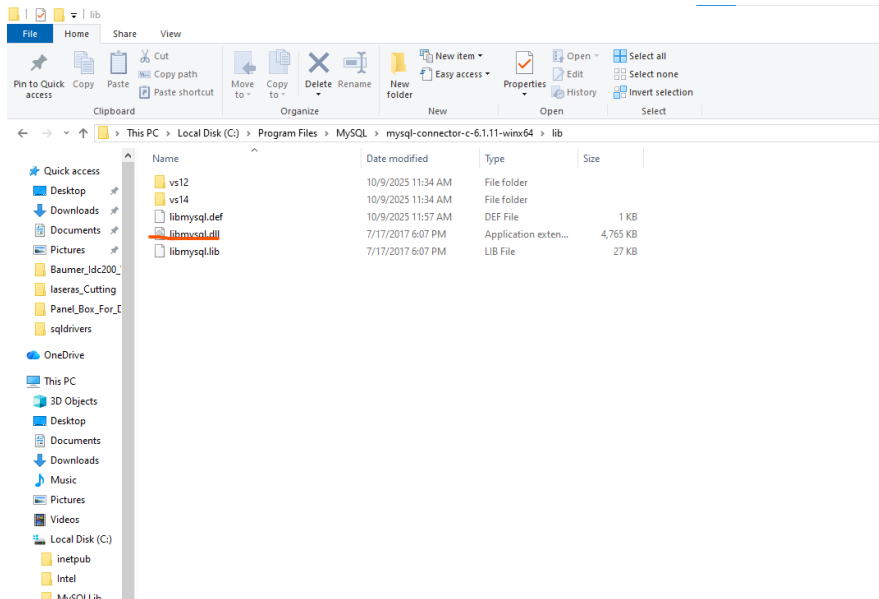
Include folder = as a header

Lib folder = for a library

- In include folder you want **mysql.h** file



- In Lib folder you want **libmysql.lib** file



5. Now lets start bulid mysql drivers

1.open the cmd prompt.

2.set path

```
>set PATH=%PATH%;C:\Qt\Tools\CMake_64\bin;C:\Qt\Tools\mingw1310_64\bin
```

3. Redirect sql drivers folder:

```
> Cd C:\Qt\6.10.0\Src\qtbase\src\plugins\sql\drivers
```

4. Here , we have to call the Cmake bat file:

```
>call C:\Qt\6.10.0\mingw_64\bin\qt-cmake.bat -G "MinGW Makefiles" . -  
DMySQL_INCLUDE_DIR="C:\Program Files\MySQL\mysql-connector-c-6.1.11-  
winx64\include" -DMySQL_LIBRARY="C:\MySQLLib\libmysqlclient.a" -  
DCMAKE_INSTALL_PREFIX="C:\Qt\6.10.0\mingw_64" -  
DCMAKE_C_COMPILER="gcc.exe" -DCMAKE_CXX_COMPILER="g++.exe"
```

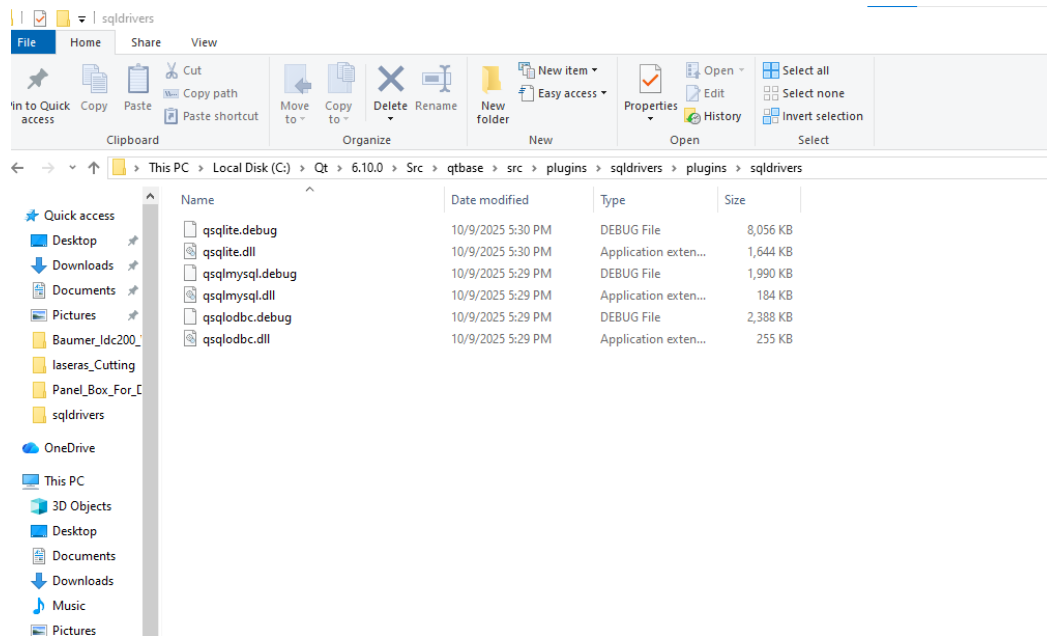
5.So , configuration is done , now we have to install the make command or run it.

```
>mingw32-make
```

6.And plugins are you see the process is successfully done of MySql drivers.

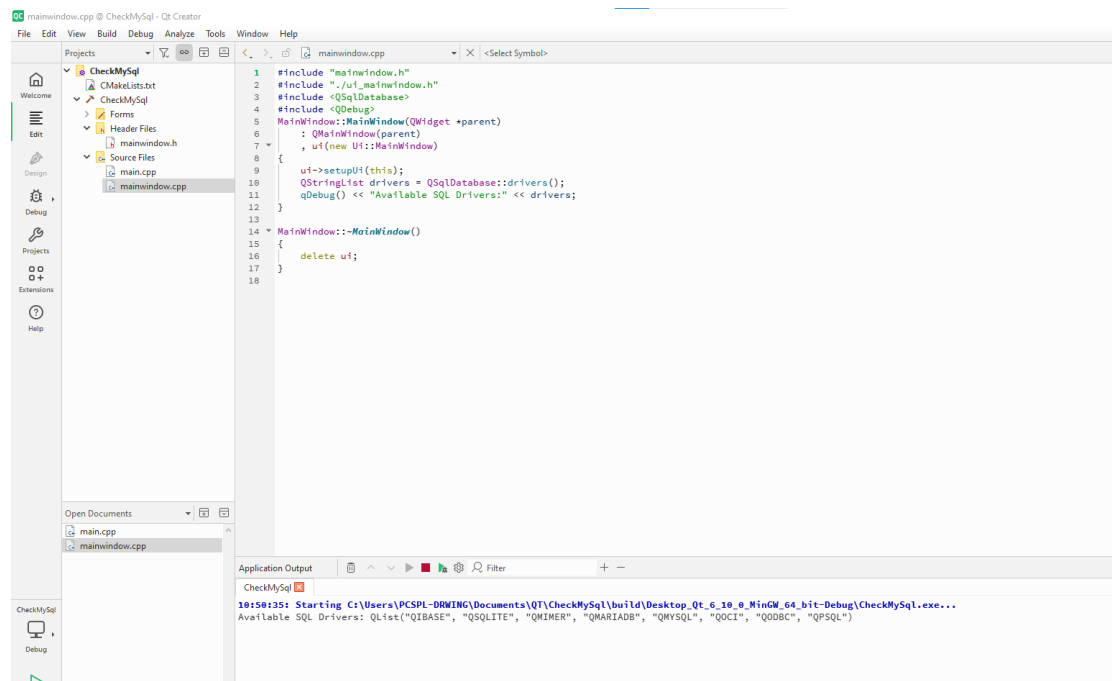
Run the mingw32-make install::

```
>mingw32-make install
```

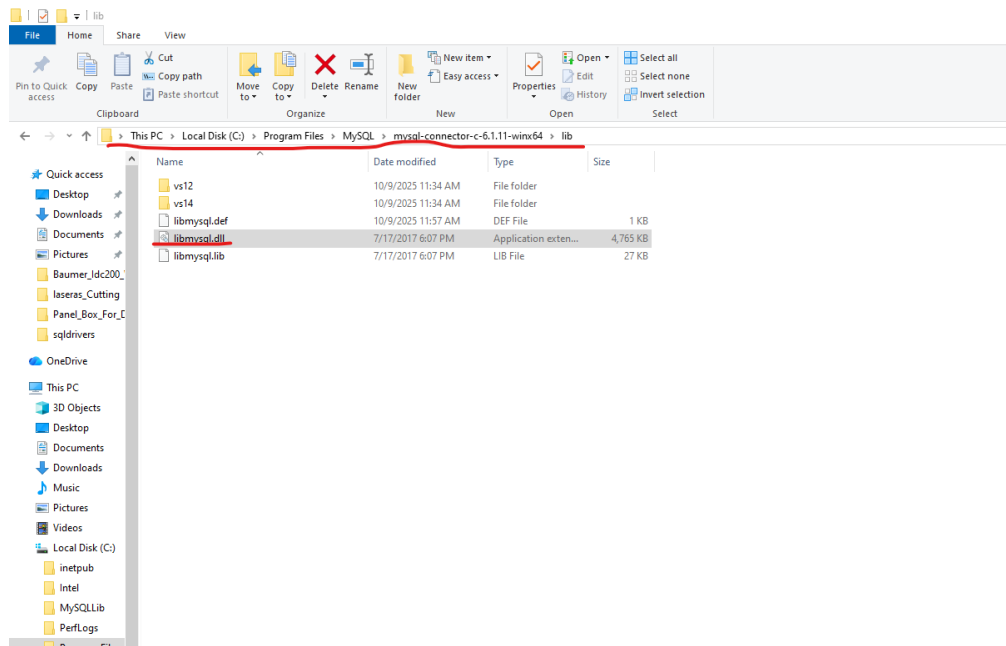


7. Now check the available drivers run the program on qt creator:

Output:



And one important one think copy the .lib file



And paste in mingw folder:

