Using QT in C++

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Contents

1 Using Mysql With Qt to manipulate Sql Database

1.1 Link MySql Dribver with Qt

1. Install Mysql Server and Client in localhost : sudo apt-get install mysql-server mysql-client

2. Download QT creator from Source

3. Dowanload this dev-sql-client package : sudo apt install libmysqlclient.so

4. Downlaod Package : libqt5sql5-mysql with sudo apt install libqt5sql5-mysql

5. The Package libmysqlclient.so will be find in /usr/lib/x86linux../libmysqlclient.so . or use the command locate to locate the location of the file.

6. link your dowloaded Qt with the libmysqlclient.so . to do that cd /Qt/Qt(version = 5.15.2)/Src/plugin/sqldrivers . than run /Qt/(Qt verion)/gcc/bin/qmake $-MYSQL_PREFIX = /Path$ of libmysqlclient.so/ . than run make sub-mysql.

7. Run qmake for Sqldriver. to do that :

8. cd /Qt/Qt(version = 5.15.2)/Src/plugin/sqldrivers than run ~/Qt/(Qt ve \end{enumerate}

1.2 How To use Mysql Lib in Qt

1. First we need To include Lib :

   #include<QSqlDatabase>
   #include<QSqlQuery>
   #include<QtSql>
   #include<QSqlError>

2. Define QsqlDatabase veriable named Db. than iniitislize this variable with needed value:

   m_db = QSqlDatabase :: addDatabase("QMYSQL");
   m_db.setHostName("141.45.91.40");
   m_db.setUserName("s0558271");
   m_db.setPassword("\"wlp66ww");

```
m_db.setDatabaseName("s0558271_elevage");
m_db.open();
```

3. Start using library

```
//first if(m_db.open()) than start coding
//second QsqlQuerry qry("querry string for exemple: Select * from Anim
//third browse the results table with qry.next() doing : while(qry.nex
if the result are String than for exemple
Qstring password = qry.value(0).toString();}

//last thing if (!m_db.open()) than check the eror with qDebug() << m_
```