安裝 SQLite Studio

SQLite Studio 介紹

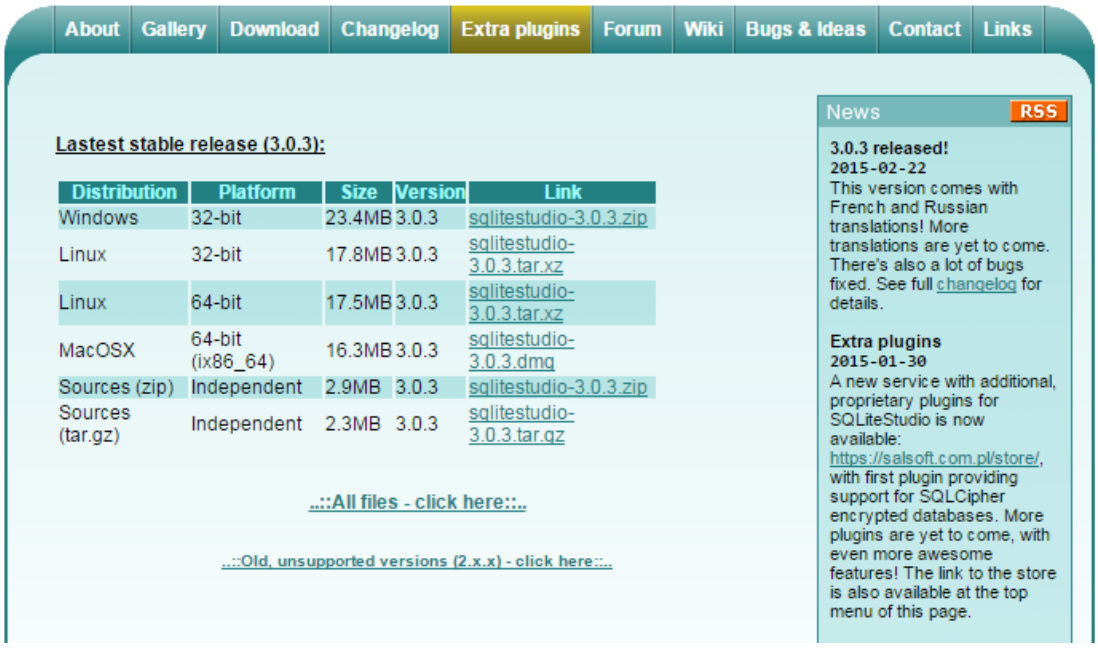
網址：http://sqlitestudio.pl/?act=about

SQLiteStudio is a SQLite database manager with the following features:

- **Portable** - no need to install or uninstall. Just download, unpack and run.
- **Intuitive interface**,
- **Powerful**, yet **light** and **fast**,
- All **SQLite3** and **SQLite2** features wrapped within **simple GUI**,
- **Cross-platform** - runs on Windows 9x/2k/XP/2003/Vista/7, Linux, MacOS X and should work on other Unixes (not tested yet).
- **Exporting** to various formats (SQL statements, CSV, HTML, XML, PDF, JSON),
- **Importing** data from various formats (CSV, custom text files [regular expressions]),
- Numerous small additions, like **formatting code**, **history of queries** executed in editor windows, on-the-fly syntax checking, and more,
- **Unicode support**,
- **Skinnable** (interface can look native for Windows 9x/XP, KDE, GTK, Mac OS X, or draw widgets to fit for other environments, WindowMaker, etc),
- **Configurable** colors, fonts and shortcuts.
- **Open source and free** - Released under GPLv3 license

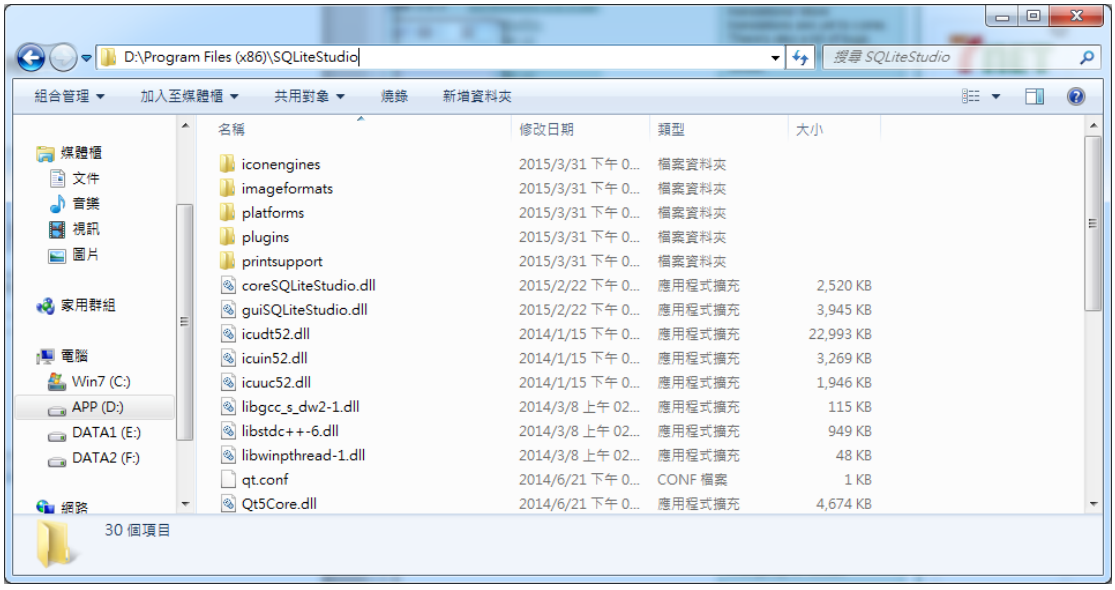
安裝與使用 SQLite Studio 軟體

下載軟體
網址：http://sqlitestudio.pl/?act=download

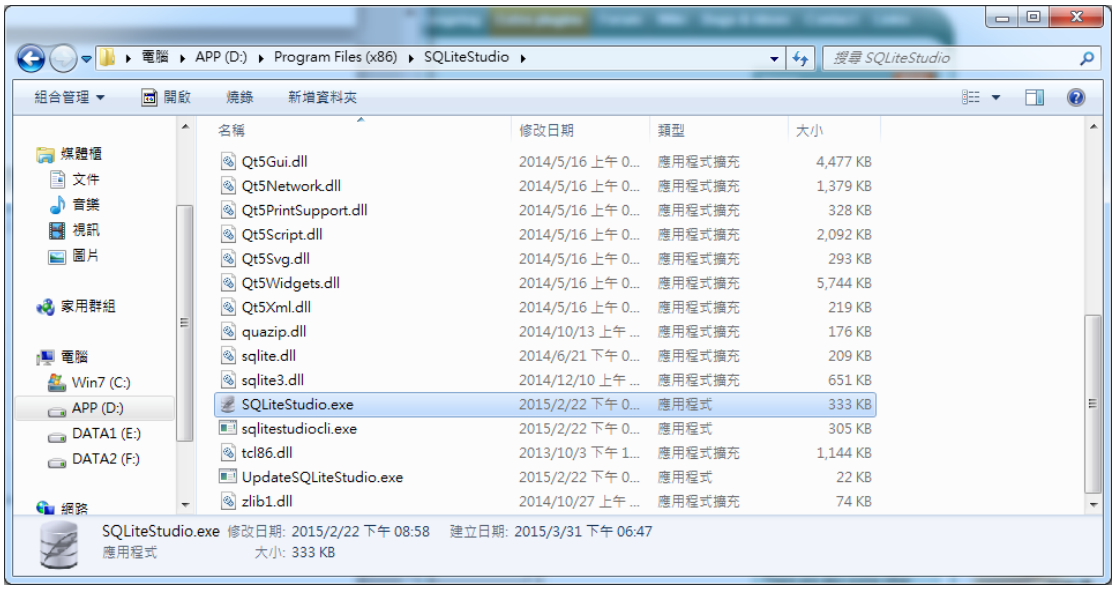


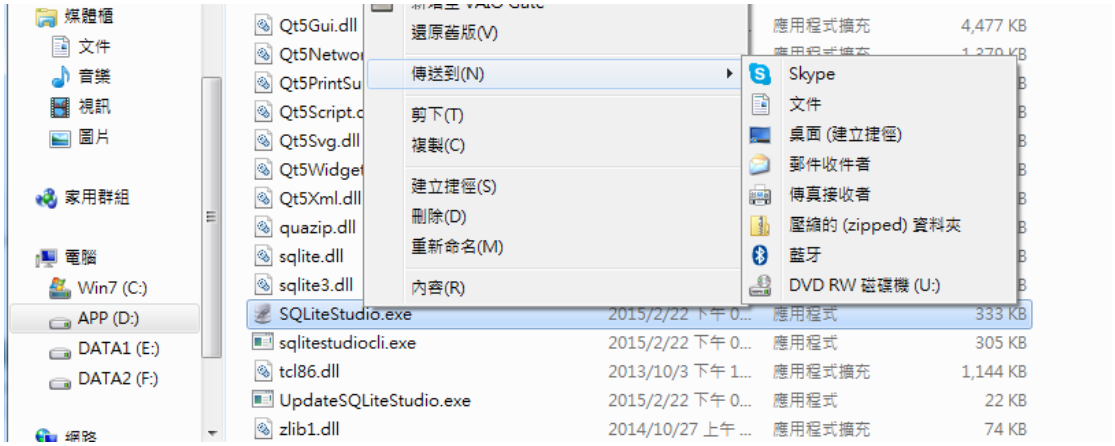
Windows 版本：sqlitestudio-3.0.3.zip

將壓縮檔解壓縮後放在 D:\Program Files (x86)\資料夾中，例如：
D:\Program Files (x86)\SQLiteStudio

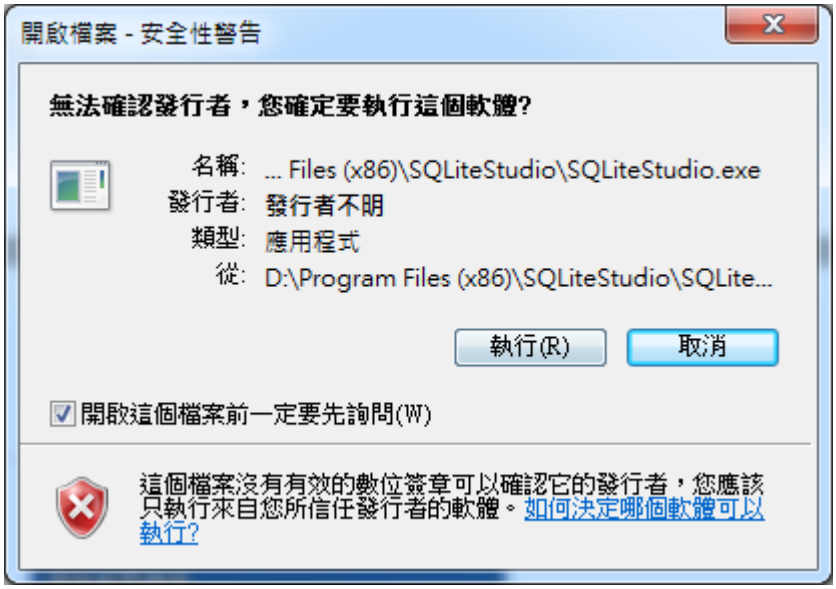


將 SQLiteStudio.exe 傳送到桌面建立捷徑

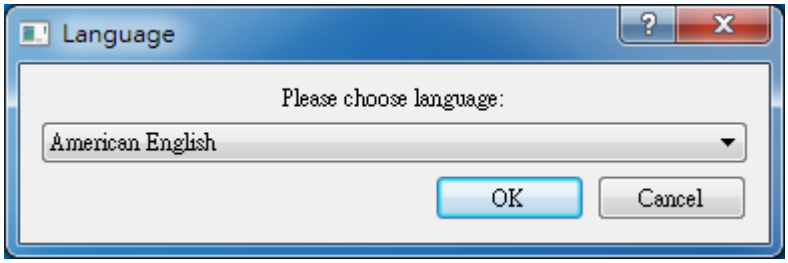




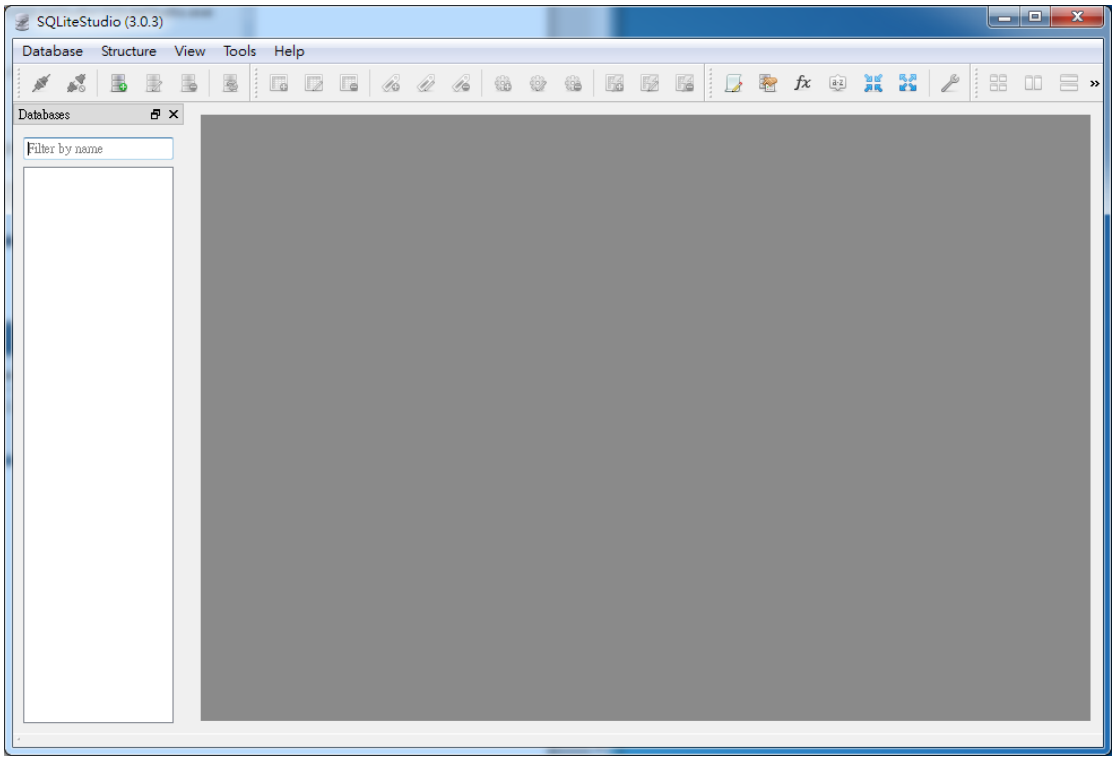
點擊捷徑縮圖之後便可執行 SQLite Studio 程式



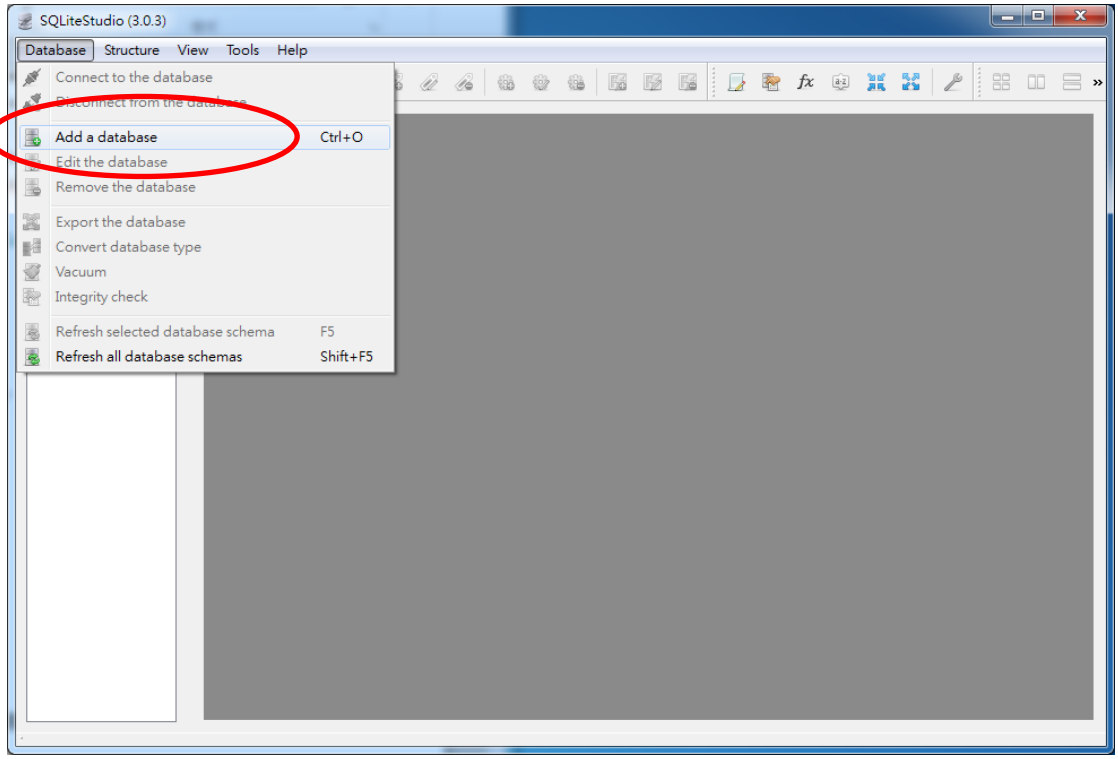
選擇語言



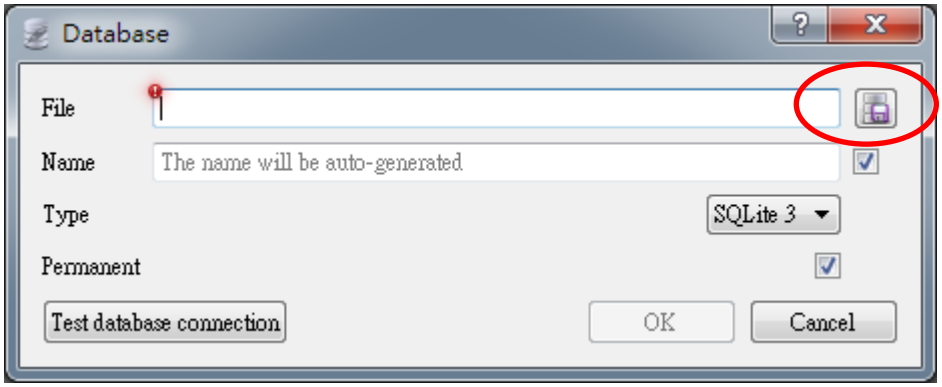
軟體啟動之後出現的視窗

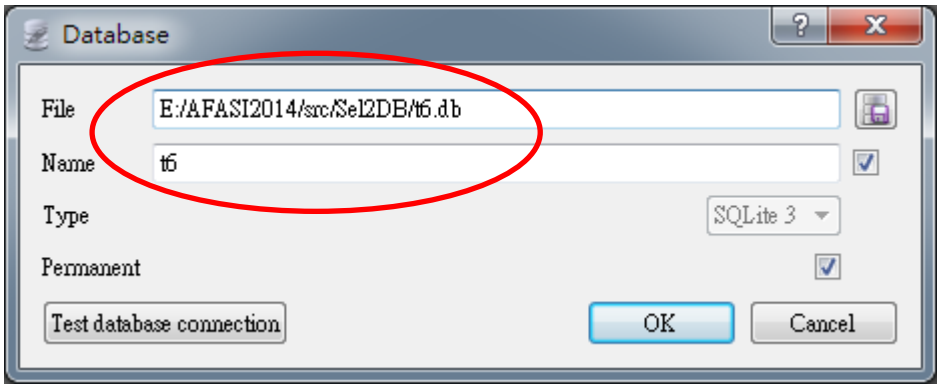

SQLiteStudio (3.0.3)
Database
Structure
View
Tools
Help
Databases
Filter by name

增加資料庫

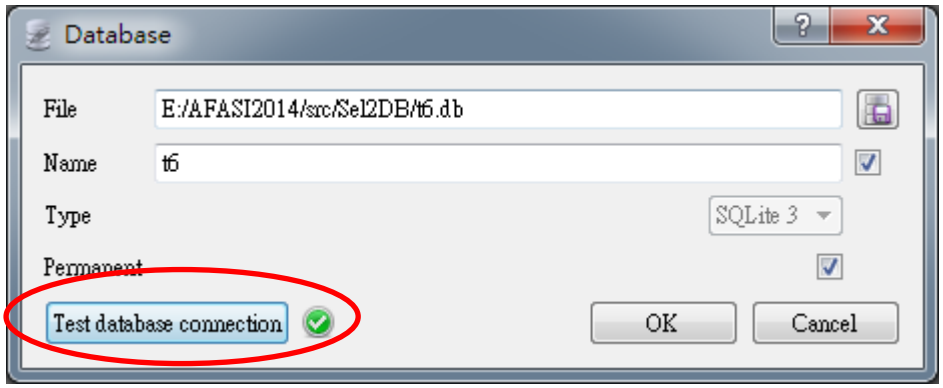

SQLiteStudio (3.0.3)
Database
Structure
View
Tools
Help
Connect to the database
Add a database
Ctrl+O
Edit the database
Remove the database
Export the database
Convert database type
Vacuum
Integrity check
Refresh selected database schema
F5
Refresh all database schemas
Shift+F5

點選瀏覽按鈕選擇資料庫檔案

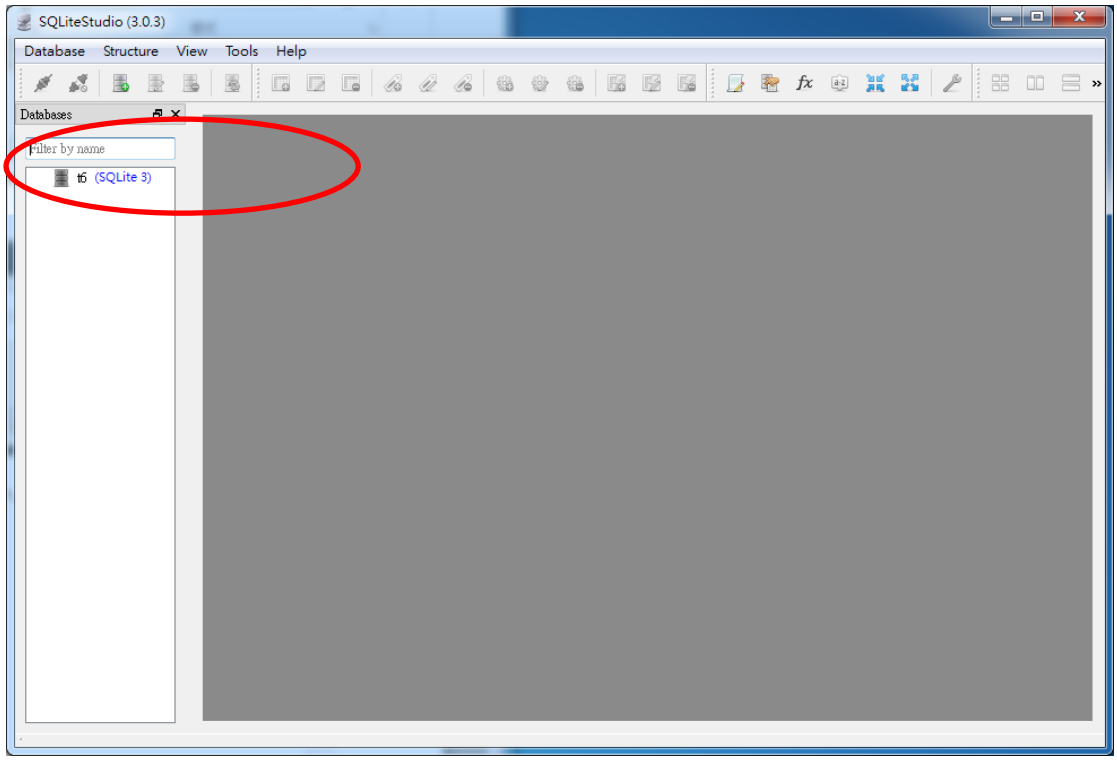




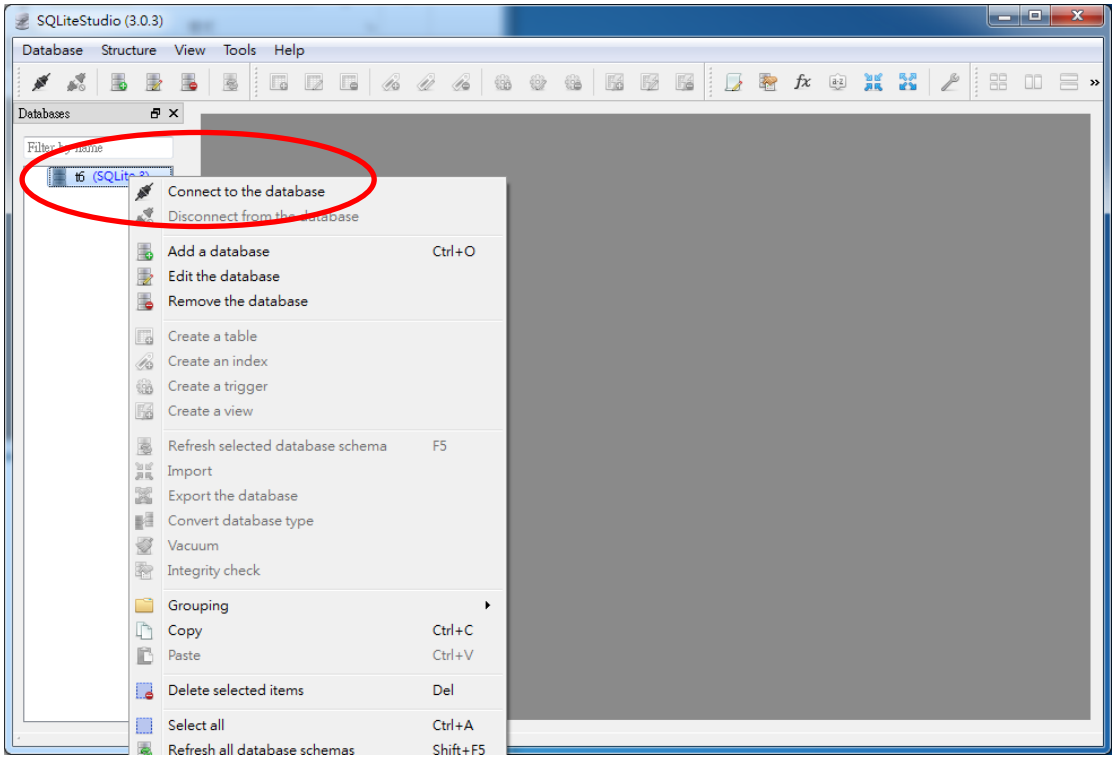
測試資料庫連結



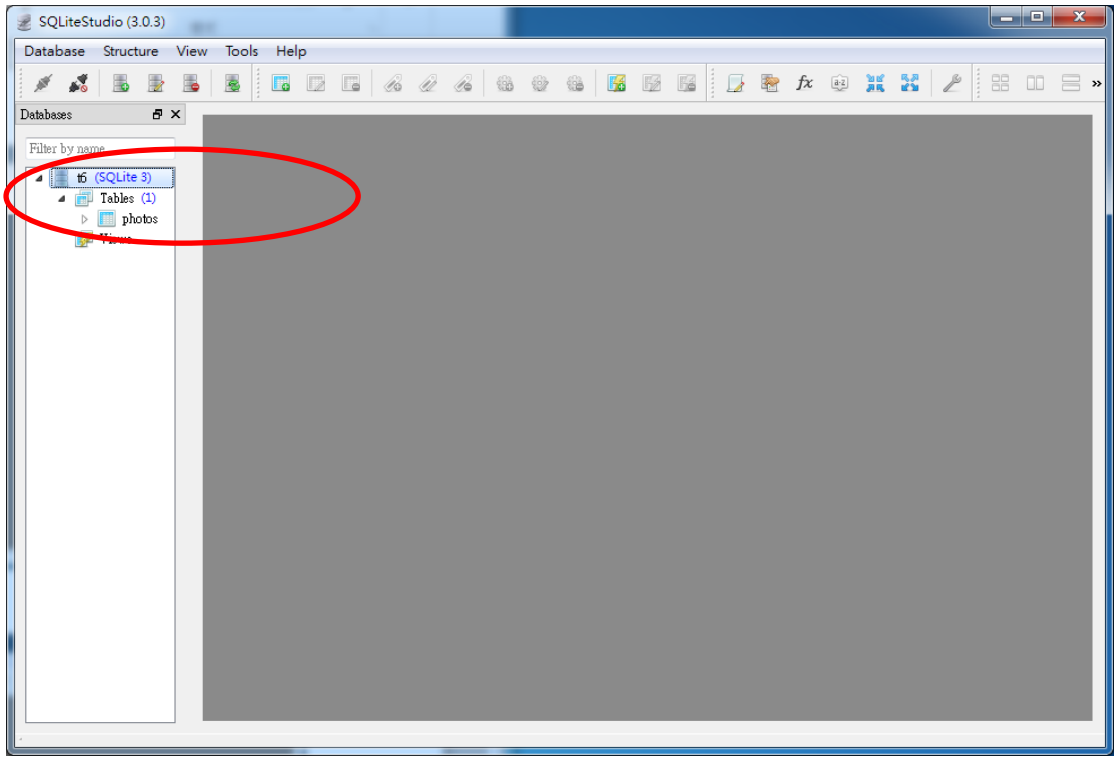
點選　OK　之後便會看到在目錄中增加了一個新的資料庫



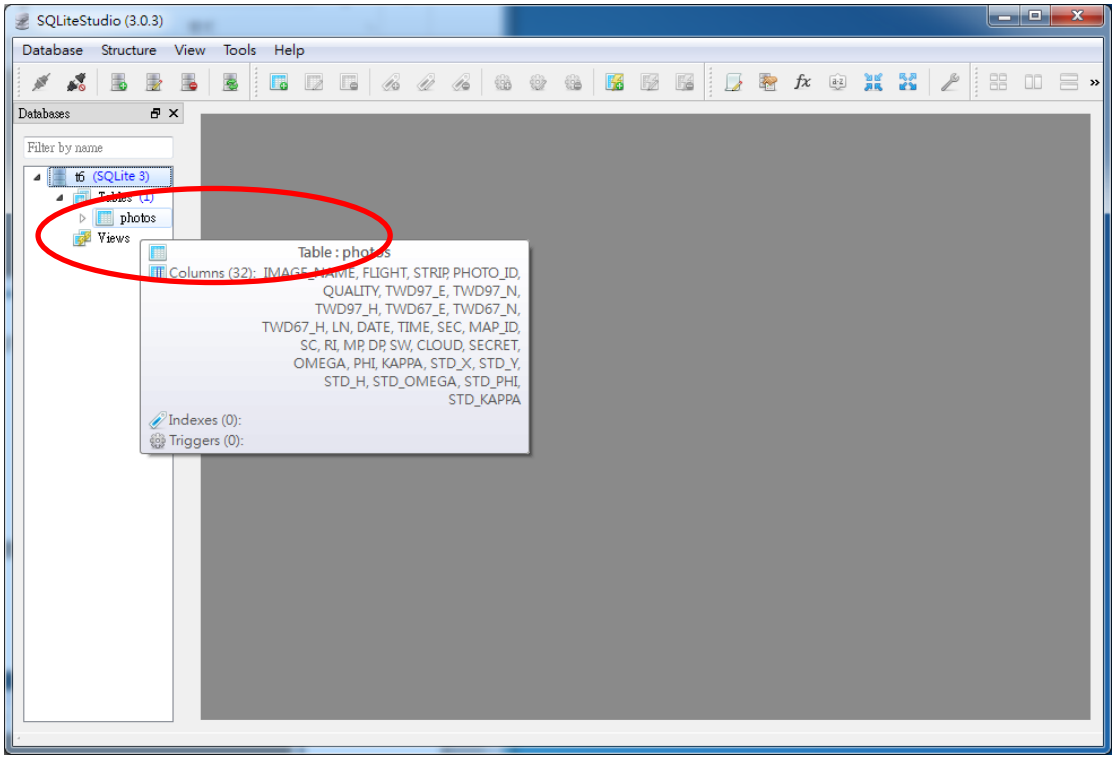
連結到資料庫



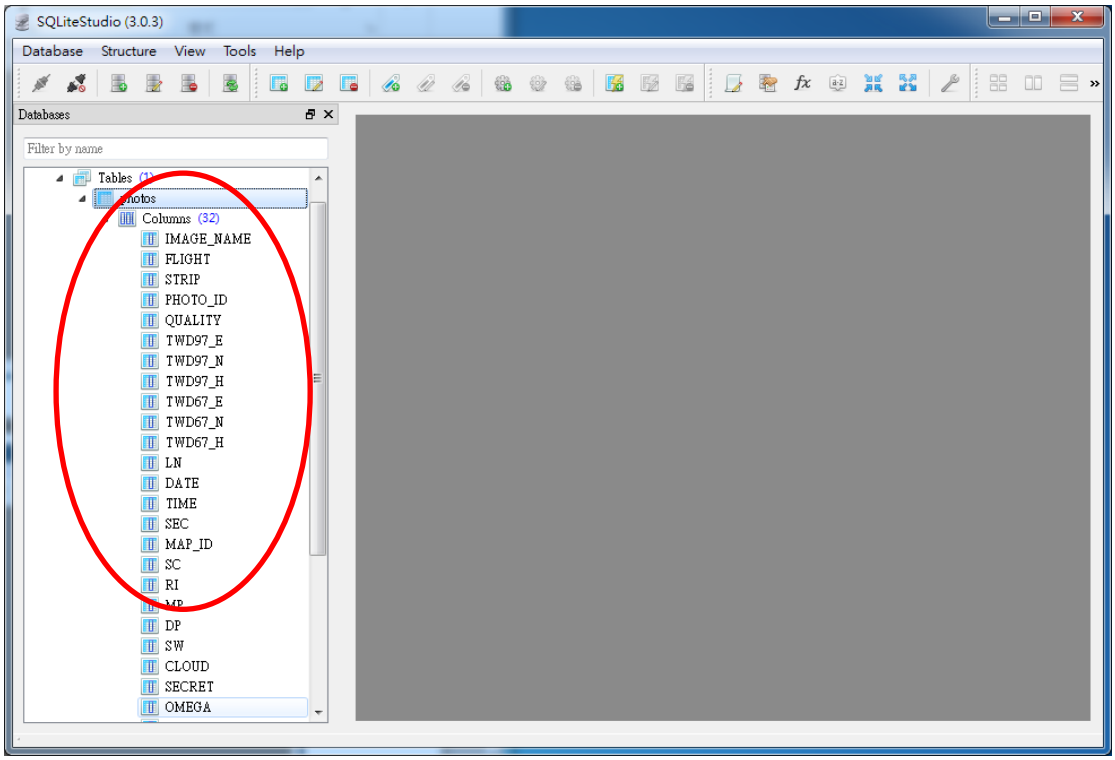
如果連結成功，可以看到資料庫中的資料表格(Table)名稱



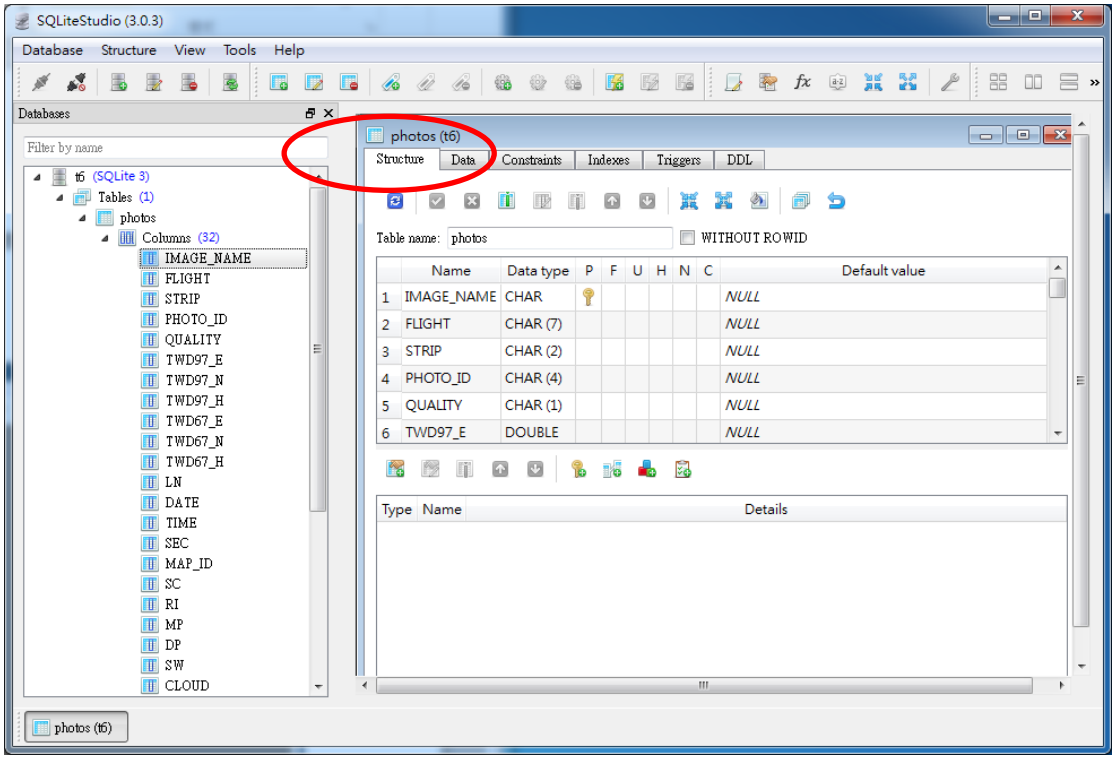
將游標移到 Table 上，便會跳出快顯視窗顯示資料表格的欄位



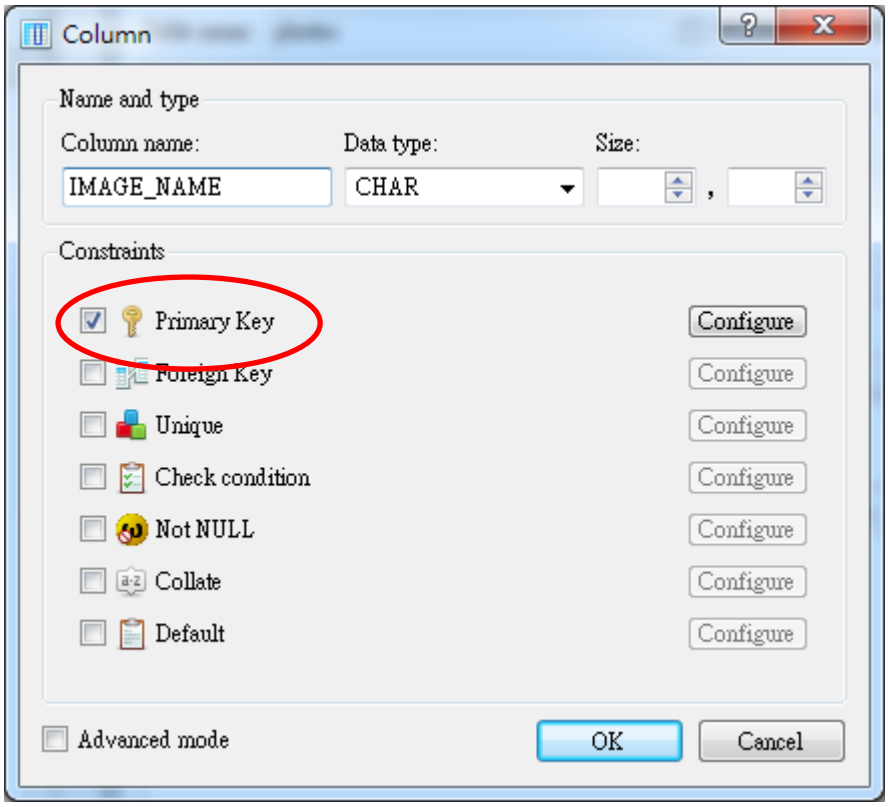
點開表格和 Columns，可以看到資料表格欄位的詳細內容



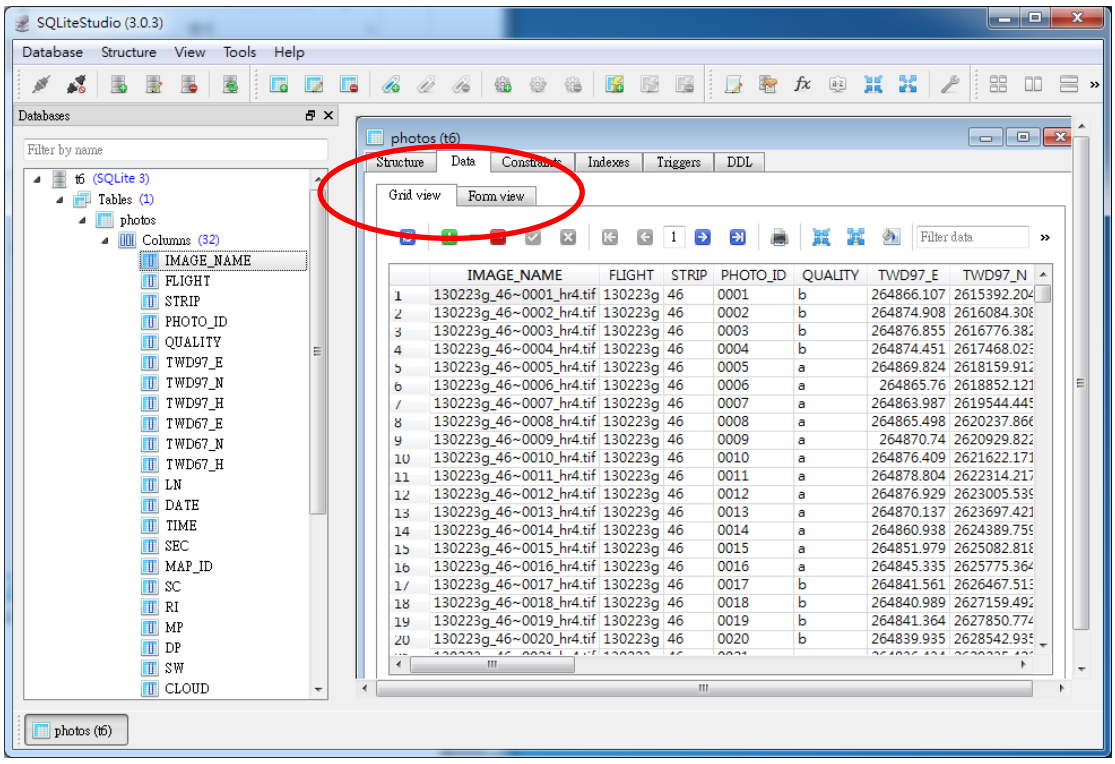
顯示資料表格的結構(Structure)



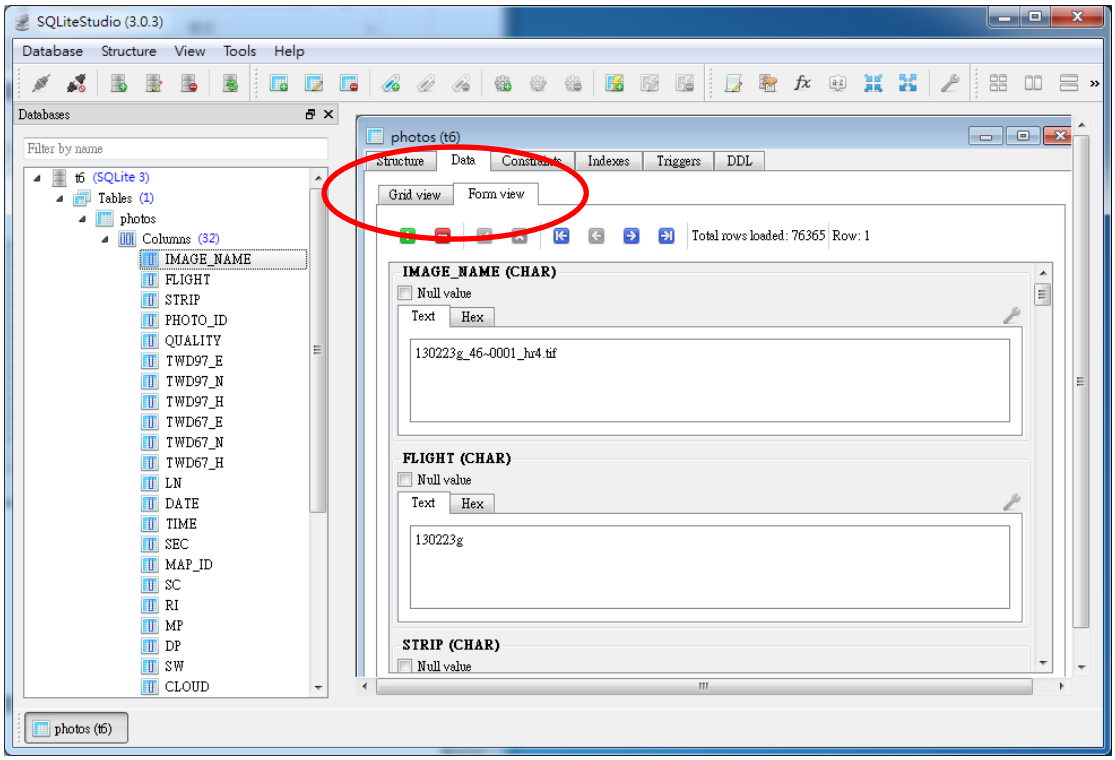
顯示欄位的定義，例如：主索引建(Primary Key)



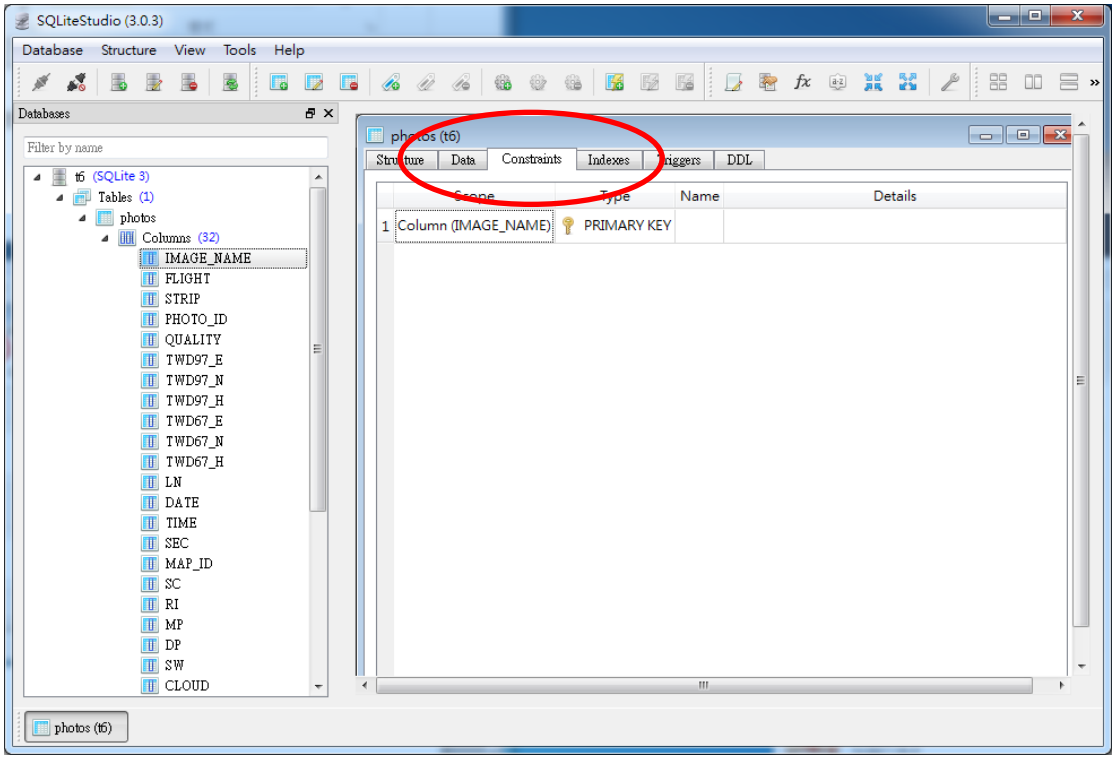
以表格的方式顯示資料表格中的資料內容



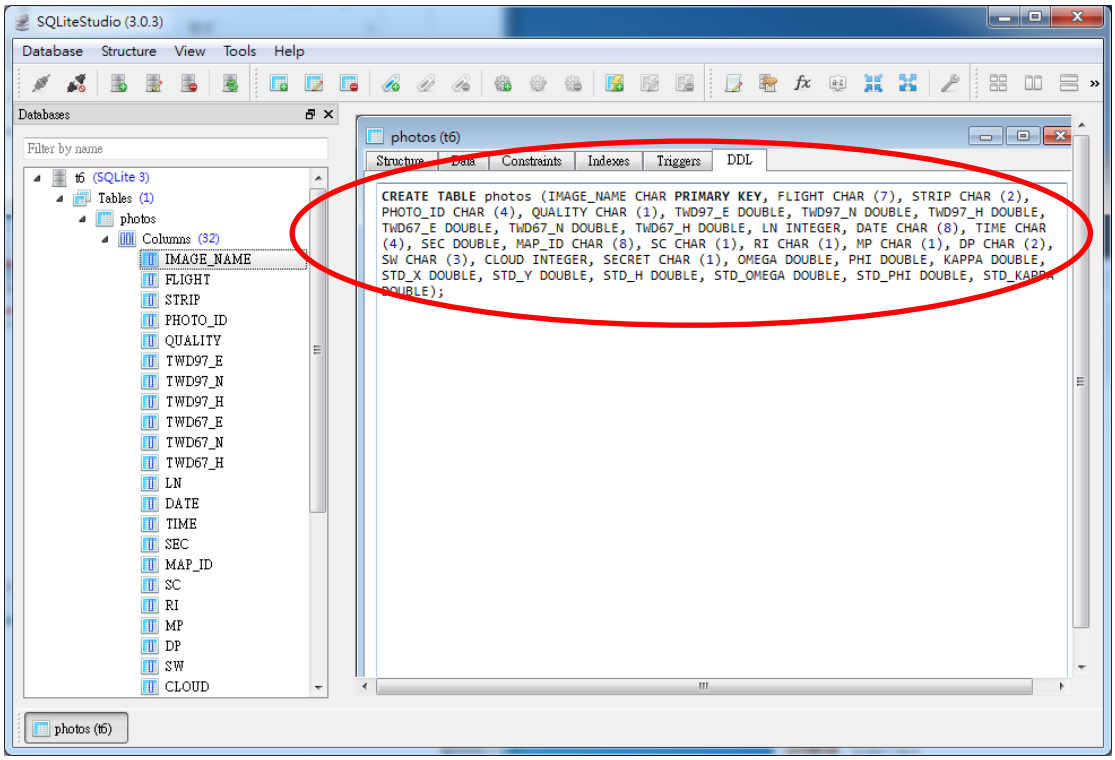
以表單的方式顯示資料表格的資料內容



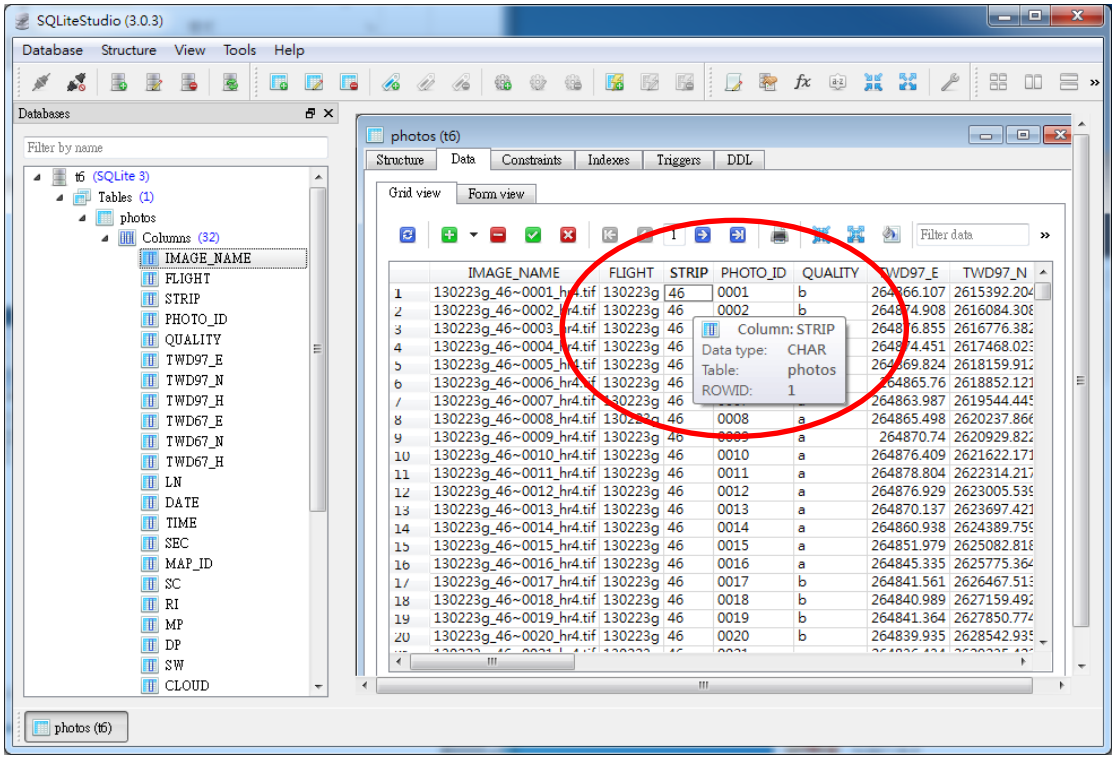
資料表格的限制條件



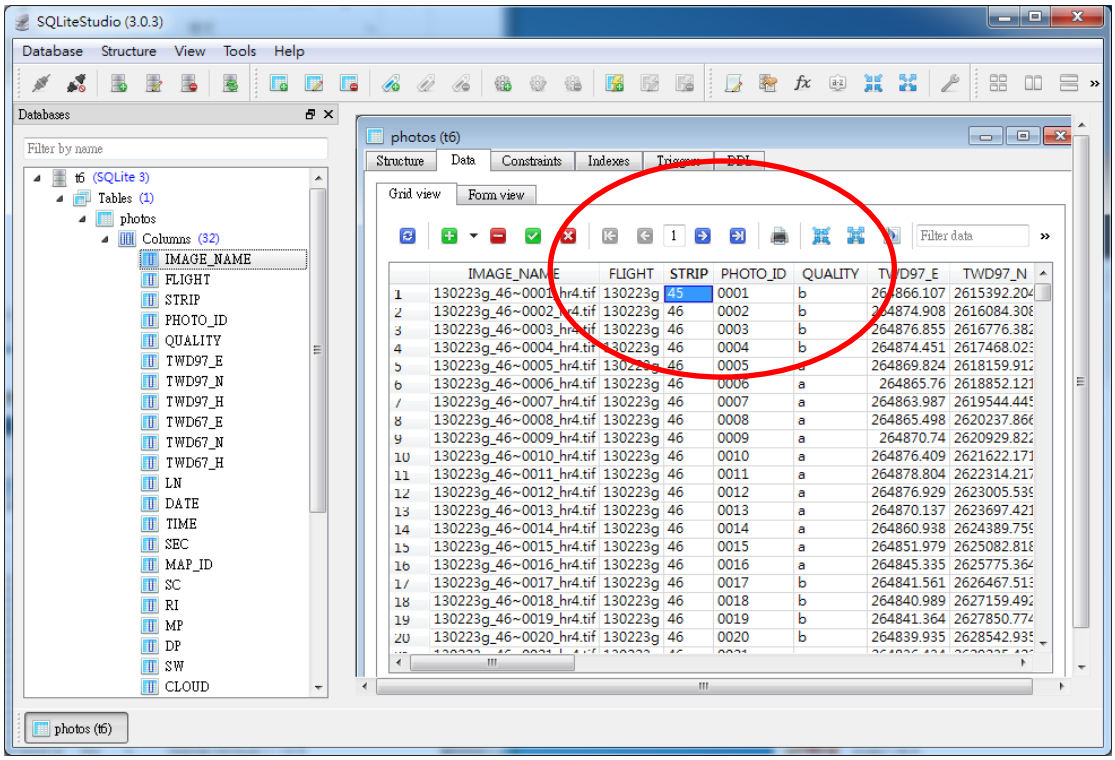
資料表格的定義指令(DDL, Data Definition Language)

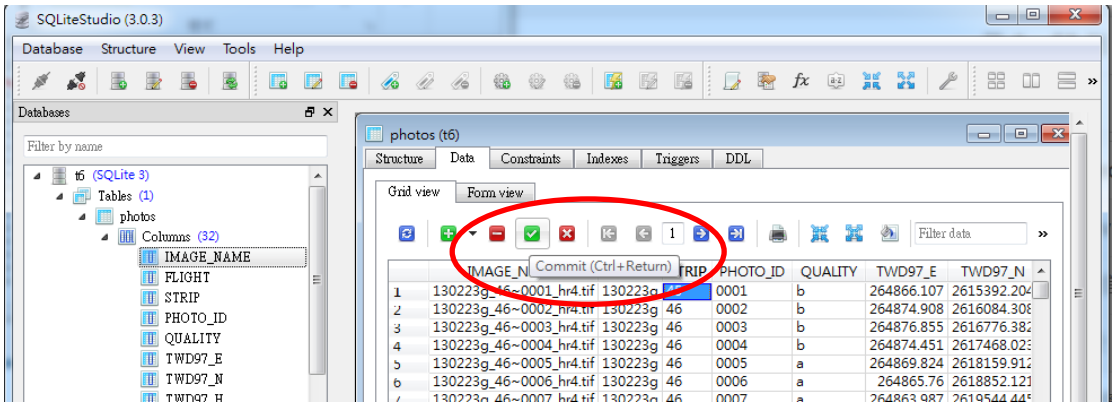


點擊某一個欄位的資料，會進入編輯的模式，便可以進行資料的編輯

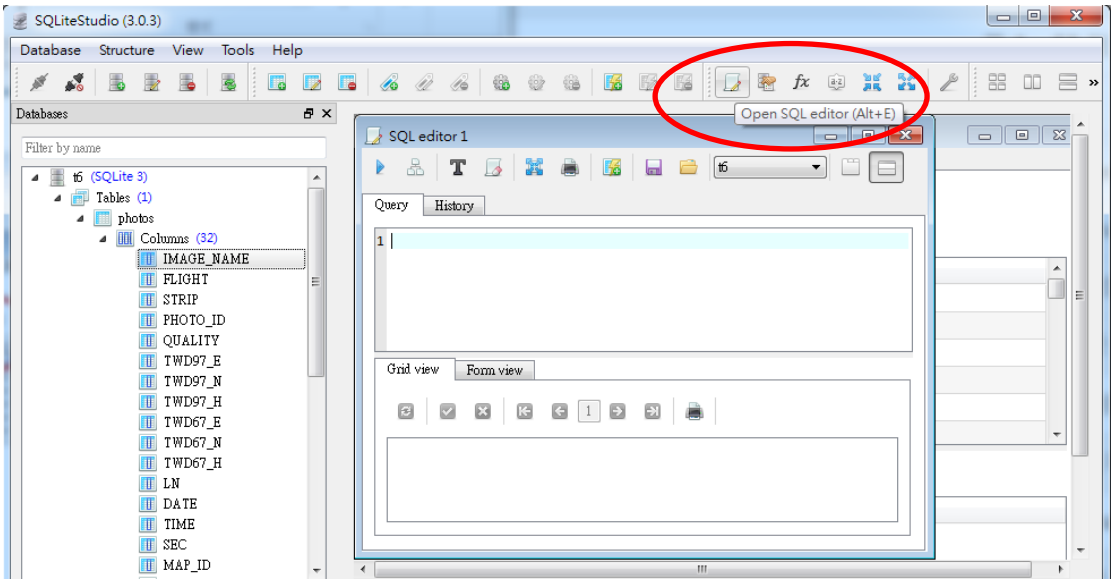


修改之後須按 Commit 按鈕儲存變更的內容

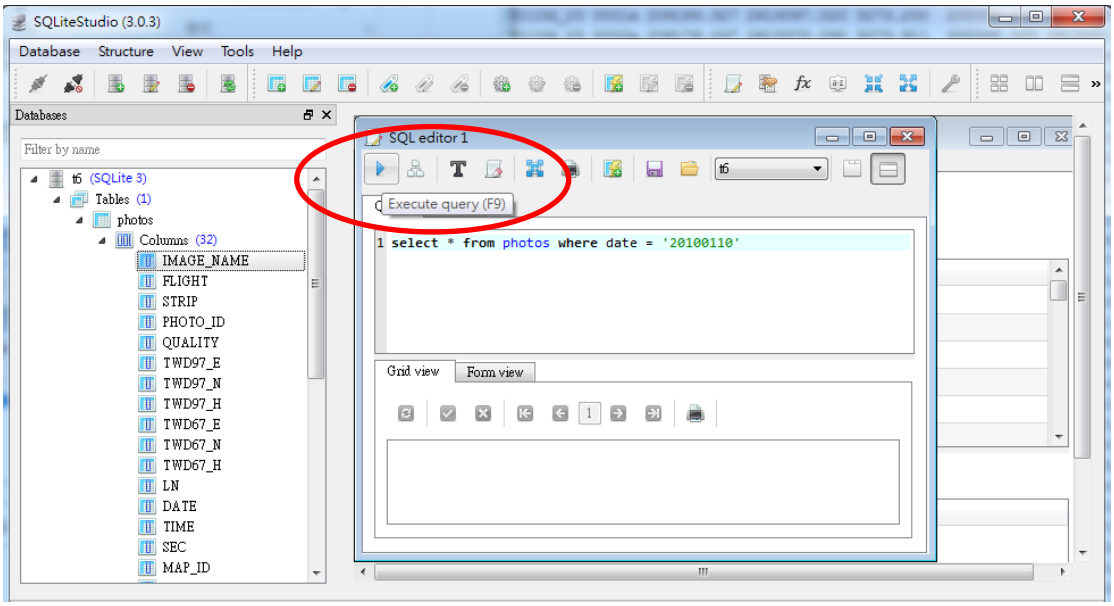




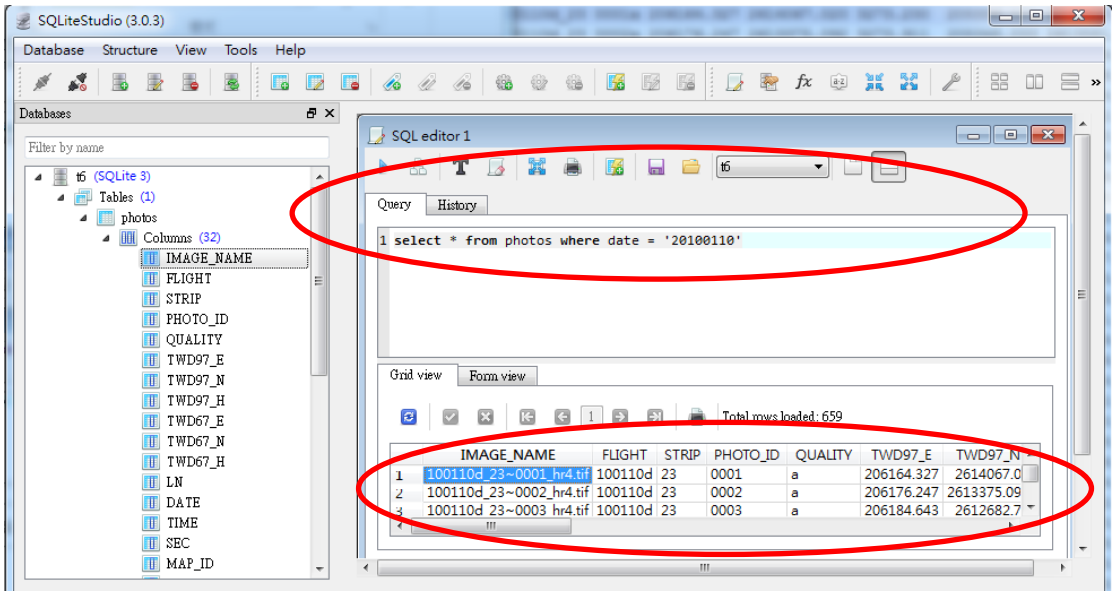
開啟 SQL 編輯器 (SQL Editor) 可以輸入 SQL 指令



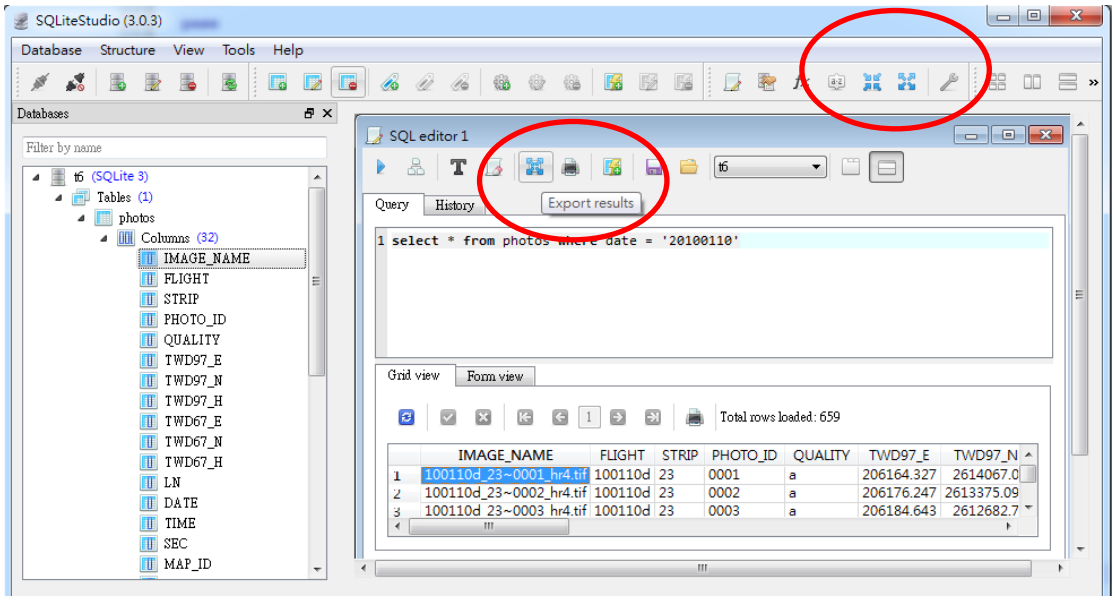
例如：`select * from photos where date = '20100110'`

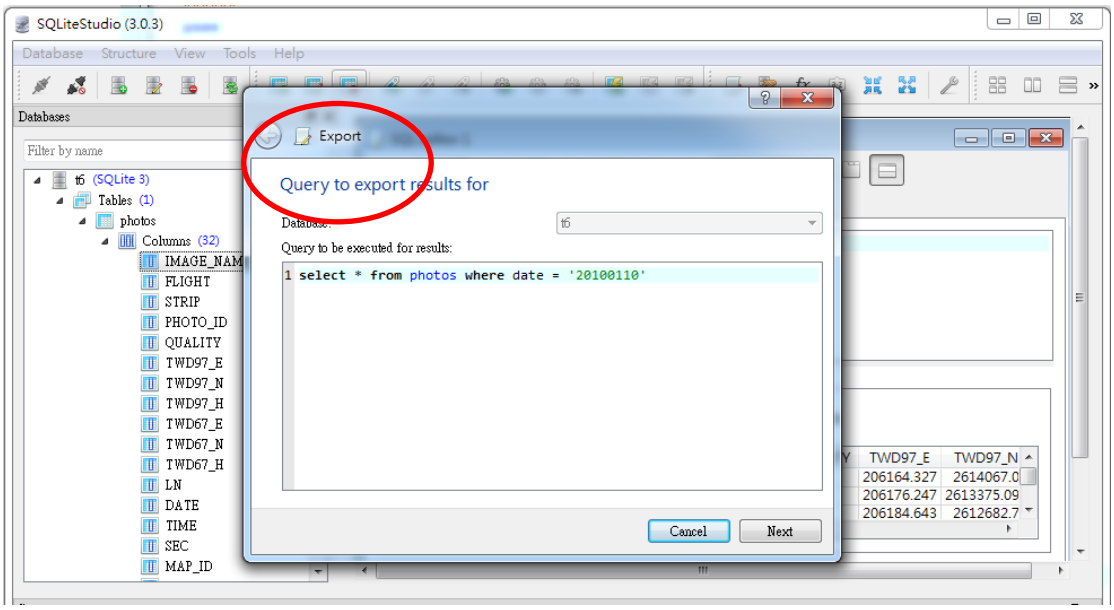


按 Execute Query (F9) 執行 SQL 指令後，便可顯示其結果

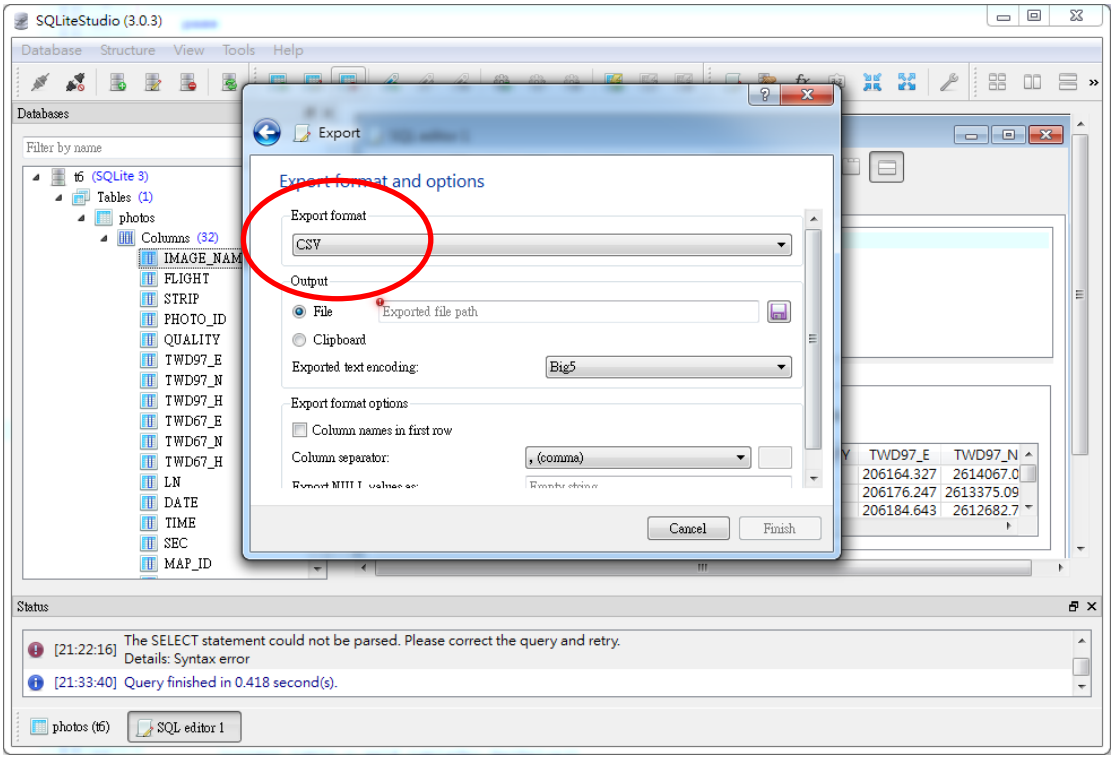


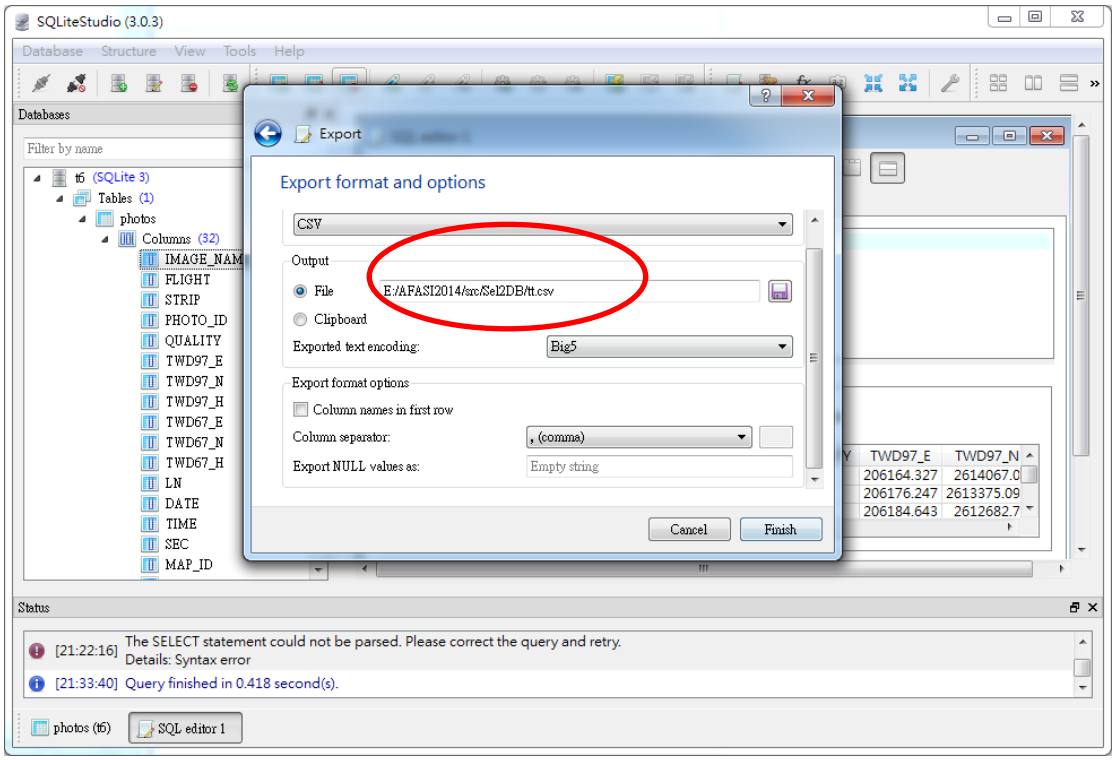
執行 Export Results 指令後，便可將表格資料輸出





選擇輸出的檔案格式，例如：CSV、HTML





以 CSV 格式輸出的結果

```
100110d_23~0001_hr4.tif,100110d,23,0001,a,206164.327,2614067.02,3273.23,205336.121,2614273.494,3251.764,23,2010
100110d_23~0002_hr4.tif,100110d,23,0002,a,206176.247,2613375.092,3273.911,205348.033,2613581.562,3252.401,23,20
100110d_23~0003_hr4.tif,100110d,23,0003,a,206184.643,2612682.73,3276.272,205356.43,2612889.194,3254.717,23,2010
100110d_23~0004_hr4.tif,100110d,23,0004,a,206186.389,2611990.314,3275.712,205358.184,2612196.775,3254.112,23,20
100110d_23~0005_hr4.tif,100110d,23,0005,a,206182.647,2611298.45,3274.578,205354.458,2611504.914,3252.935,23,201
100110d_23~0006_hr4.tif,100110d,23,0006,a,206176.689,2610606.212,3276.865,205348.522,2610812.685,3255.169,23,20
100110d_23~0007_hr4.tif,100110d,23,0007,a,206174.877,2609913.966,3278.652,205346.739,2610120.453,3256.899,23,20
100110d_23~0008_hr4.tif,100110d,23,0008,a,206177.366,2609221.78,3279.641,205349.261,2609428.286,3257.84,23,2010
100110d_23~0009_hr4.tif,100110d,23,0009,a,206183.29,2608529.84,3280.081,205355.221,2608736.368,3258.231,23,2010
100110d_23~0010_hr4.tif,100110d,23,0010,a,206187.745,2607837.754,3279.98,205359.713,2608044.305,3258.083,23,201
100110d_23~0011_hr4.tif,100110d,23,0011,a,206185.512,2607145.48,3281.005,205357.513,2607352.053,3259.064,23,201
100110d_23~0012_hr4.tif,100110d,23,0012,a,206177.213,2606453.025,3280.043,205349.244,2606659.616,3258.052,23,20
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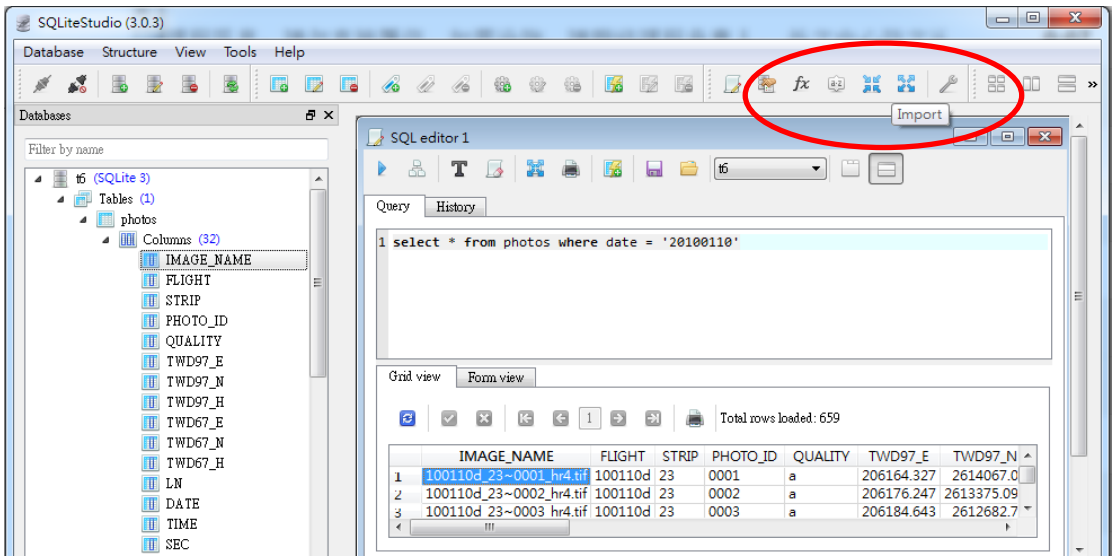
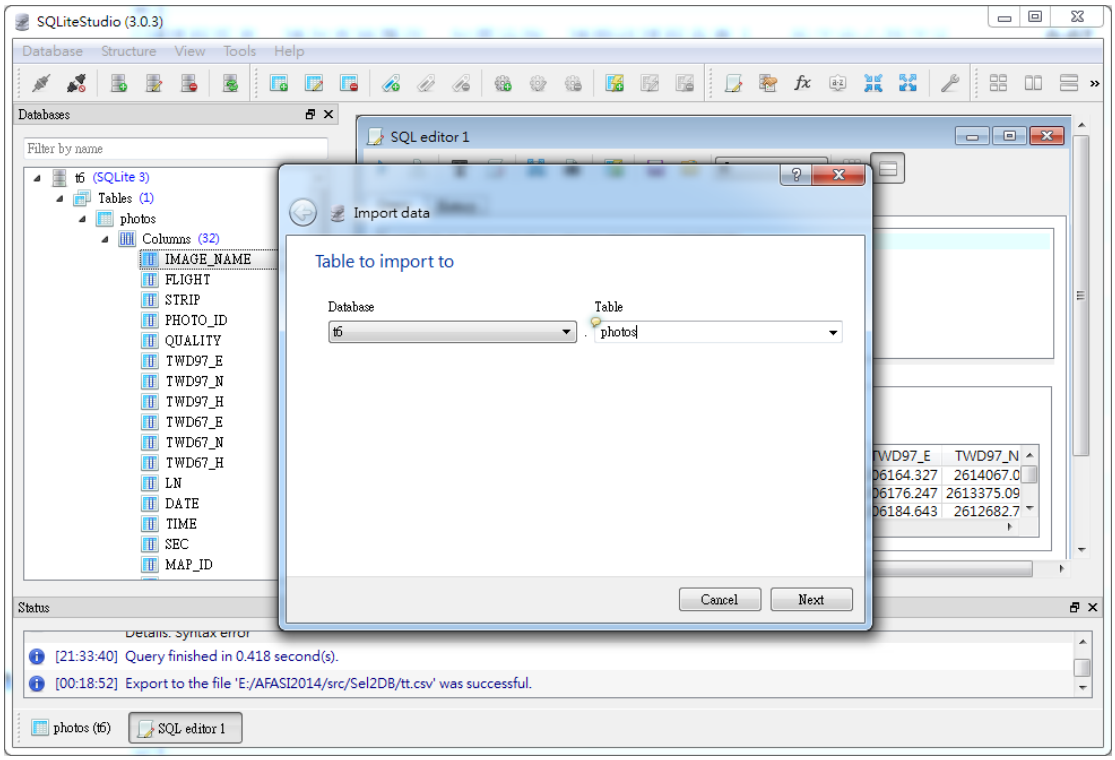
外部檔案可利用 Import Data 輸入到資料庫中


SQLiteStudio (3.0.3)
Database Structure View Tools Help
Import
Databases
Filter by name
t6 (SQLite 3)
Tables (1)
photos
Columns (32)
IMAGE_NAME
FLIGHT
STRIP
PHOTO_ID
QUALITY
TWD97_E
TWD97_N
TWD97_H
TWD67_E
TWD67_N
TWD67_H
LN
DATE
TIME
SEC
SQL editor 1
Query History
1 select * from photos where date = '20100110'
Grid view Form view
Total rows loaded: 659
IMAGE_NAME FLIGHT STRIP PHOTO_ID QUALITY TWD97_E TWD97_N
1 100110d_23~0001_hr4.tif 100110d 23 0001 a 206164.327 2614067.0
2 100110d_23~0002_hr4.tif 100110d 23 0002 a 206176.247 2613375.09
3 100110d_23~0003_hr4.tif 100110d 23 0003 a 206184.643 2612682.7


SQLiteStudio (3.0.3)
Database Structure View Tools Help
Databases
Filter by name
t6 (SQLite 3)
Tables (1)
photos
Columns (32)
IMAGE_NAME
FLIGHT
STRIP
PHOTO_ID
QUALITY
TWD97_E
TWD97_N
TWD97_H
TWD67_E
TWD67_N
TWD67_H
LN
DATE
TIME
SEC
MAP_ID
SQL editor 1
Import data
Table to import to
Database
t6
Table
photos
Cancel
Next
Status
[21:33:40] Query finished in 0.418 second(s).
[00:18:52] Export to the file 'E:/AFASI2014/src/Sel2DB/tt.csv' was successful.
photos (t6)
SQL editor 1