

# *Get Ready For... SQLite*

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# Why SQLite?

- *MS Access is excellent and available in most office settings*
- *But, it is not a cross-platform tool*
  - *Many students have OS/X operating system*
- *SQLite is small, free, and relatively user friendly*
  - *SQLite databases are also nice in web-based applications*
- *Once you know SQL, switching to MS Access or other DBMS is not hard*

# Go to Distribution Site

- *Google search for “SQLite Studio”*

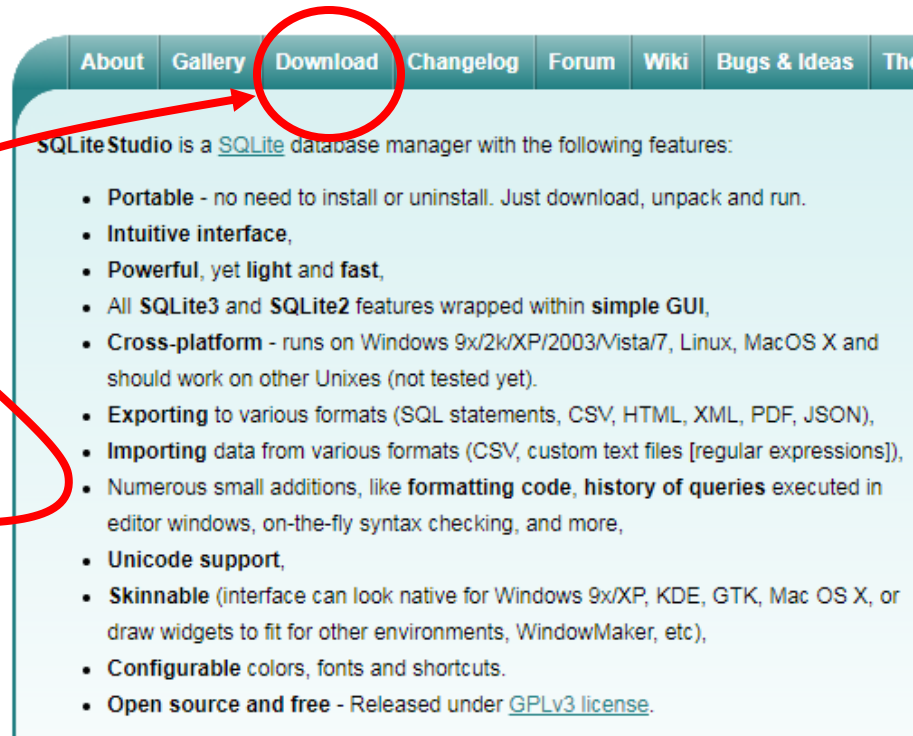
SQLiteStudio

[www.sqlitestudio.pl](http://www.sqlitestudio.pl)

Proxy Highlight

SQLiteStudio - Free (GPL licence), advanced SQLite database manager with intuitive user interface, with no installation needed (single executable file to run)

- *Or, go directly to [www.sqlitestudio.pl](http://www.sqlitestudio.pl)*
- *Click “Download”*



# Download Compressed File

- *Choose the distribution format for your operating system*

## Latest stable release (3.2.1):

Distribution	Platform	Size	Version	Link
Windows (portable)	32-bit	27.5MB	3.2.1	<a href="#">SQLiteStudio-3.2.1.zip</a>
Windows (installer)	32-bit	33.3MB	3.2.1	<a href="#">InstallSQLiteStudio-3.2.1.exe</a>
Linux (portable)	64-bit	30.0MB	3.2.1	<a href="#">sqlitestudio-3.2.1.tar.xz</a>
Linux (installer)	64-bit	46.1MB	3.2.1	<a href="#">InstallSQLiteStudio-3.2.1</a>
MacOSX (portable)	64-bit (ix86_64)	30.9MB	3.2.1	<a href="#">SQLiteStudio-3.2.1.dmg</a>
MacOSX (installer)	64-bit (ix86_64)	25.5MB	3.2.1	<a href="#">InstallSQLiteStudio-3.2.1.dmg</a>
Sources (zip)	Independent	9.8MB	3.2.1	<a href="#">sqlitestudio-3.2.1.zip</a>
Sources (tar.gz)	Independent	9.0MB	3.2.1	<a href="#">sqlitestudio-3.2.1.tar.gz</a>

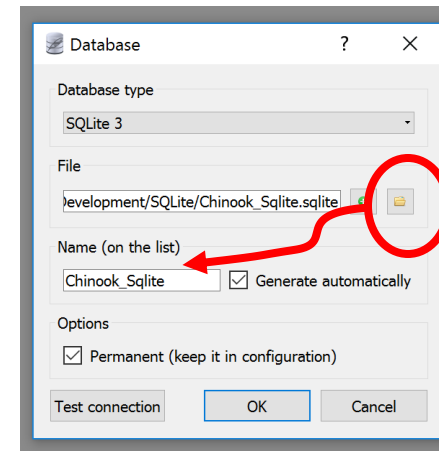
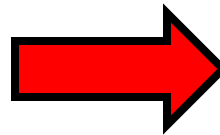
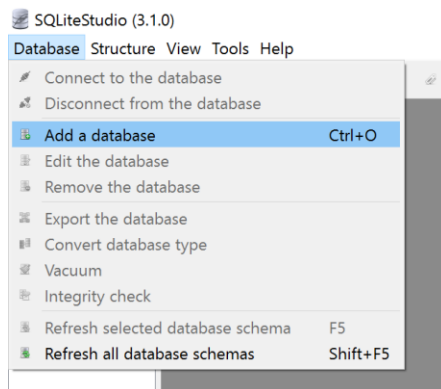
- *Unzip it to a folder of your choice; eg. C:/Tools/SQLite3.1*

# Download and Add Database

- From the course website, download the database file “Chinook\_Sqlite.sqlite”
- Launch the SQLiteStudio application

sqlite3.dll	9/9/2016 12:11 AM	Application extension	900 KB
<input checked="" type="checkbox"/> SQLiteStudio	6/10/2016 8:09 PM	Application	338 KB

- Add a database:



Navigate  
to  
database  
file

# Look at Your Database

- *It has 11 tables and 0 views*
- *The Artist table has two columns (ArtistId, Name)*
- *And 275 rows*

	ArtistId	Name
1	1	AC/DC
2	2	Accept
3	3	Aerosmith
4	4	Alanis Morissette
5	5	Alice In Chains
6	6	Antônio Carlos Jobim
7	7	Apocalyptica
8	8	Audioslave
9	9	BackBeat

**Databases**

Filter by name

- Chinook\_Sqlite (SQLite 3)
  - Tables (11)
    - Album
    - Artist
    - Customer
    - Employee
    - Genre
    - Invoice
    - InvoiceLine
    - MediaType
    - Playlist
    - PlaylistTrack
    - Track
  - Views

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**Structure** | **Data** | **DDL**

Table name: Artist

	Name	Data type
1	ArtistId	INTEGER
2	Name	NVARCHAR (100)

# Explore Your Database

- *Look at the data in the Album table*

	AlbumId	Title	ArtistId
1	1	For Those About To Rock We Salute You	1
2	2	Balls to the Wall	2
3	3	Restless and Wild	2
4	4	Let There Be Rock	1
5	5	Big Ones	3
6	6	Jagged Little Pill	4
7	7	Facelift	5

ArtistId  
column  
refers to  
the Artist  
table

The same  
artist can  
have multiple  
albums BUT  
each album  
can have only  
one “artist”

- *Discover more relationships on your own*