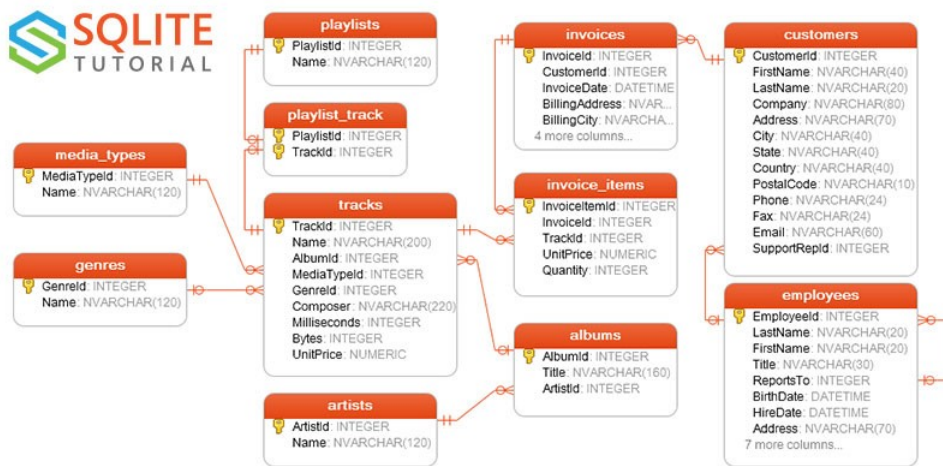# SQLite Sample Database

Summary: in this tutorial, we first introduce you to an SQLite sample database. Then, we will give you the links to download the sample database and its diagram. At the end of the tutorial, we will show you how to connect to the sample database using the sqlite3 tool.

Introduction to chinook SQLite sample database

We provide you with the SQLite sample database named chinook. The chinook sample database is a good database for practicing with SQL, especially SQLite.

The following database diagram illustrates the chinook database tables and their relationships.

Chinook sample database tables

There are 11 tables in the chinook sample database.

`employees` table stores employees data such as employee id, last name, first name, etc. It also has a field named `ReportsTo` to specify who reports to whom.

`customers` table stores customers data.

`invoices` & `invoice_items` tables: these two tables store invoice data. The `invoices` table stores invoice header data and the `invoice_items` table stores the invoice line items data.

`artists` table stores artists data. It is a simple table that contains only the artist id and name.

`albums` table stores data about a list of tracks. Each album belongs to one artist. However, one artist may have multiple albums.

`media_types` table stores media types such as MPEG audio and AAC audio files.

`genres` table stores music types such as rock, jazz, metal, etc.

`tracks` table stores the data of songs. Each track belongs to one album.

`playlists` & `playlist_track` tables: `playlists` table store data about playlists. Each playlist contains a list of tracks. Each track may belong to multiple playlists. The relationship between the `playlists` table and `tracks` table is many-to-many. The `playlist_track` table is used to reflect this relationship.

Download SQLite sample database

You can download the SQLite sample database using the following link.

Download SQLite sample database (https://cdn.sqlitetutorial.net /wp- content /uploads /2018/03 /chinook.zip)

In case you want to have the database diagram for reference, you can download both black&white and color versions in PDF format.

Download SQLite sample database diagram (https://cdn.sqlitetutorial.net /wp- content /uploads /2018/03 /sqlite- sample- database- diagram.pdf)

Download SQLite sample database diagram with color (https://cdn.sqlitetutorial.net /wp- /uploads /2018/03 /sqlite- sample- database- diagram- color.pdf)

How to connect to SQLite sample database

The sample database file is ZIP format, therefore, you need to extract it to a folder, for example, `C:\sqlite\db` . The name of the file is `chinook.db`

> If you don't have zip software installed, you can download a free zip software such as 7-zip (http://www.7-zip.org/) .

First, use the command line program and navigate to the SQLite directory where the sqlite3.exe file is located:

```
c:\sqlite>
```

Second, use the following command to connect to the `chinook` sample database located in the `db` folder, which is a subfolder of the `sqlite` folder.

```
c:\sqlite>sqlite3 c:\sqlite\db\chinook.db
```

You should see the following command:

```
sqlite>
```

Third, try a simple command (https://www.sqlitetutorial.net/sqlite-commands/) e.g., .tables to view all the tables available in the sample database.

```
sqlite> .tables
albums          employees       invoices        playlists
artists         genres          media_types     tracks
customers       invoice_items   playlist_track
```

In this tutorial, we have introduced you to the chinook SQLite sample database and showed you how to connect to it using the sqlite3 tool.