**SQL Side Projects:**

**Sales**

* Retrieve a list of top-selling tracks (top 10)
* Calculate total sales for a specific period (for instance, 2009 April-July)
  + For total sales, I define it to be the number of invoices generated
  + For total sales, I define it to be the total revenue I made in this period

**Customer insights**

* Find out which customers have placed the most orders
  + What countries have placed the most orders

**Product category analysis**

* Find out what artists produce most albums
  + What artists produce most songs?
* Find out what songs exist in most playlists

**Invoice item analysis**

* Calculate the average order value
  + The average number of tracks per order (invoice)

**Genre popularity**

* Find out the top-selling genre (top 10)
  + Find out the top-selling genre where the total number of invoices exceeds 100 and when the genre is not Latin

**Documentation**

*This documentation is meant to let the future me know what I tried to do on 12th October, 2023 and maybe onwards.*

* I have downloaded [the database](https://www.sqlitetutorial.net/sqlite-sample-database/): *chinook,* which contains 11 tables about a music store’s sales data.
* I listed all the questions[[1]](#footnote-1) I want to answer above (listed on the 12th), and for each question, I will save a SQL file containing the SQL codes of the answer. Therefore, for each question, I will make a new query on the original database.
* I wrote all the queries in *SQLite Studio*, which is suitable in this size of project.
* It is possible to input the database info into ChatGPT and ask it to generate more questions.

1. Referred from ChatGPT, and I modified for this database [↑](#footnote-ref-1)