# **INFI - Protokoll**

# Datenbanken



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Wien, am 30.09.2022

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## 1 Wiederholung / Einführung in SQL

## 1.1 SQL – Basics auf Khanacedemy.org

#### Difference between MySQL and SQLite:

S.NO.	MySQL	SQLite
1.	Developed by Oracle on May 1995.	Developed By D. Richard Hipp on August 2000.
2.	MySQL is developed in C and C++ languages.	SQLite is developed only in C language.
3.	MySQL requires a database server for its	SQLite does not require a server to run.
	functioning. Hence, it follows client/server architecture.	Hence, it is serverless.
4.	It can handle multiple connections simultaneously.	It can handle only one connection at a time.
5.	It is highly scalable and can handle a large volume of data very efficiently.	It can handle only small set of data if the volume of data increased its performance degrades.
6.	It requires large space in the memory for its functioning (approx 600 Mb).	It requires only some KBs of space as it is very lightweight approx (250Kb-300Kb).
7.	MySQL supports multiple user environment.	SQLite does not support multiple user environment.
8.	It also supports XML format.	It does not supports XML format.

Abbildung 1 - https://www.geeksforgeeks.org/difference-between-mysql-and-sqlite/

## 1.1.1 Book List Challenge

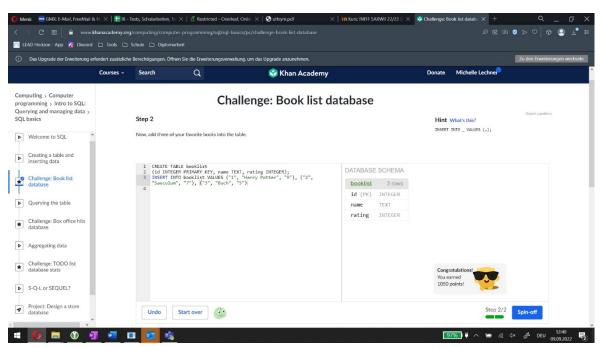


Abbildung 2 - Book List Challenge

#### 1.1.2 Box Office

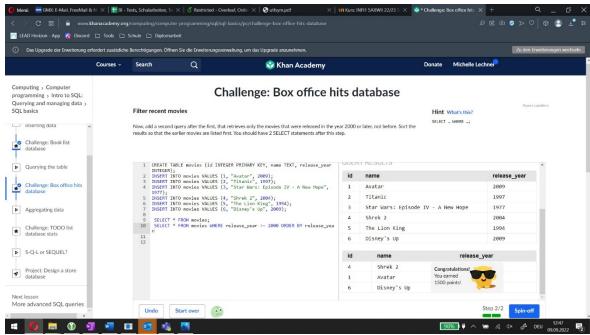


Abbildung 3 - Box Office

#### 1.1.3 ToDo - List

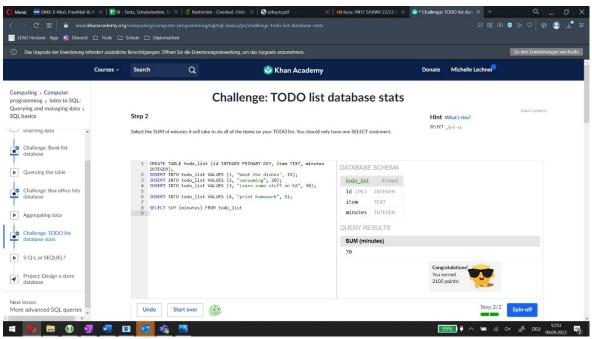


Abbildung 4 - ToDo-List

#### 1.1.4 Projekt: Design a store database

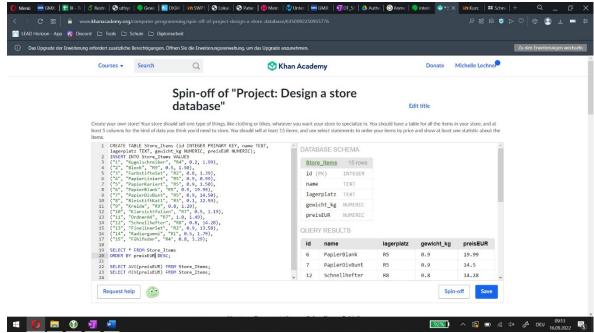


Abbildung 5 - Projekt: Design a store database - Screensh.1

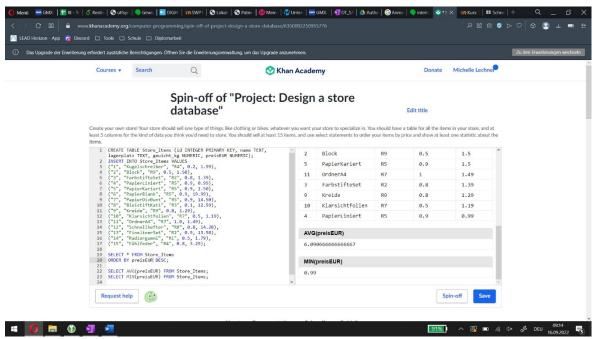


Abbildung 6 - Projekt: Design a store database - Screensh.2

## 1.2 Komplexe Abfragen mit AND/ OR

#### 1.2.1 Karaoke song selector

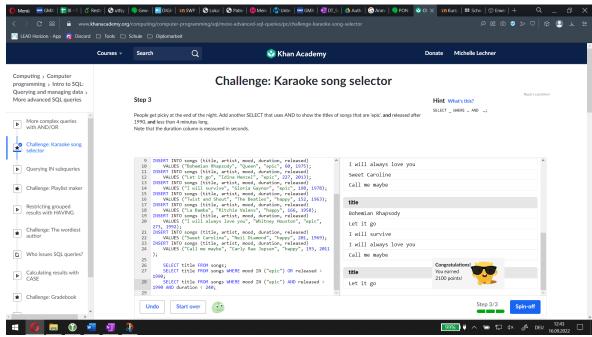


Abbildung 7 - Karaoke song selector

#### 1.2.2 Playlist maker

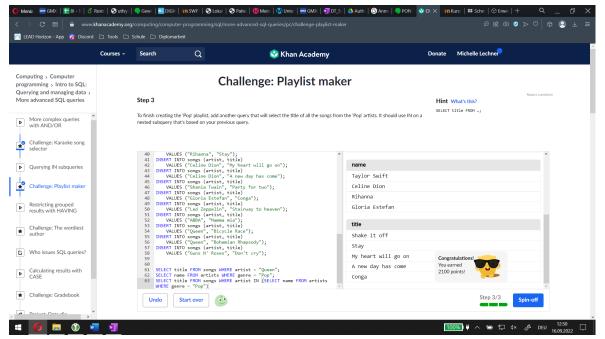


Abbildung 8 - Playlist maker

#### 1.2.3 The wordiest Author

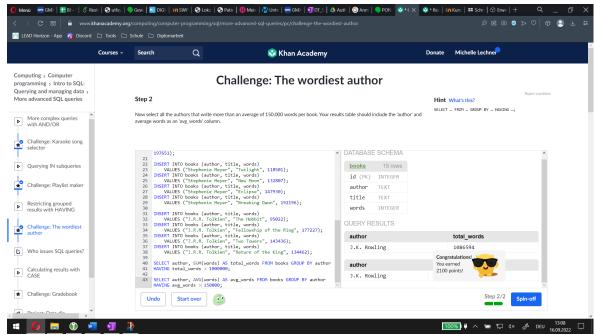


Abbildung 9 - The wordiest author

#### 1.2.4 Gradebook

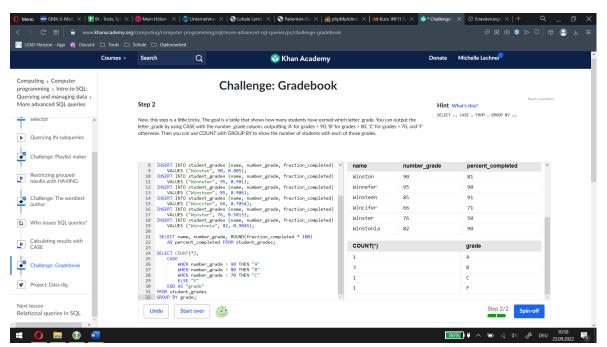
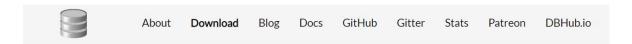


Abbildung 10 - Gradebook

### 2 SQLite Browser



#### **DB** Browser for SQLite

The Official home of the DB Browser for SQLite

#### Screenshot

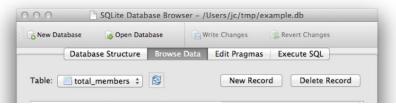


Abbildung 11 - https://sqlitebrowser.org/

### 2.1 Import der Daten

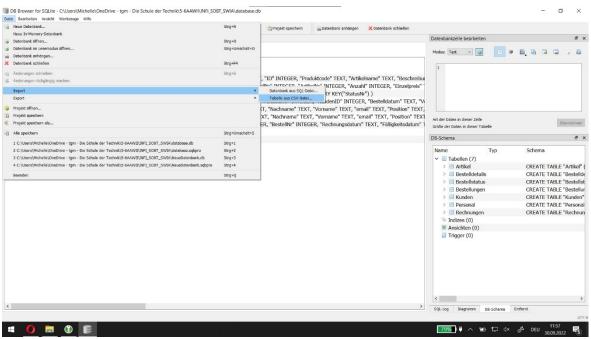


Abbildung 12 - Import Step 1

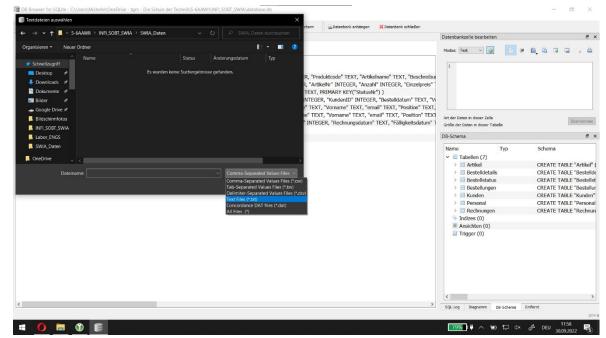


Abbildung 13 - Import Step 2

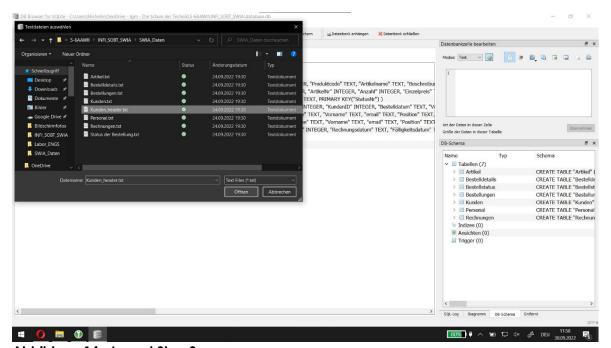


Abbildung 14 - Import Step 3

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# **Tabellenverzeichnis**

Es konnten keine Einträge für ein Abbildungsverzeichnis gefunden werden.

## Literaturverzeichnis

Im aktuellen Dokument sind keine Quellen vorhanden.

# **Anhang**