

Build your own SQLite










Learn about SQL syntax, SQLite's file format, B-trees and more

[Start Building](#)

SQLite is a popular SQL database engine. In this challenge, you'll build your own version of SQLite that is capable of reading a SQLite database file and answering basic SQL queries like SELECT and using indexes.

Along the way, you'll learn about the SQLite file format, SQL syntax and more.

Stages

- | | |
|---|-----------|
|  Print page size | VERY EASY |
|  Print number of tables | HARD |
|  Print table names | HARD |
|  Count rows in a table | MEDIUM |
|  Read data from a single column | HARD |
|  Read data from multiple columns | HARD |
|  Filter data with a WHERE clause | HARD |
|  Retrieve data using a full-table scan | HARD |
|  Retrieve data using an index | HARD |



There are few sites I like as much that have a step by step guide. The real-time feedback is so good, it's creepy!



Ananthalakshmi Sankar

Automation Team, Apple



Enjoying programming all over again. It's been a while since I wrote Rust, but getting a good hang of it.



Pranjal Paliwal

Software Engineer, Headout



Programming challenges for seasoned developers.



CHALLENGES

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