📄 **Instructions**   </> **Code Examples**   **Stage 2/9**   **In-progress**

◄   ►

Ⓜ️↓ Markdown supported.   Comment

🐱 **grumpydogg** 1 year ago

Found the sqlite documentation a bit dense, this helped to get a grasp of high level details:

https://fly.io/blog/sqlite-internals-btree/

⌃ 24 ⌄   ↩ reply

🧑 **sarp** 9 months ago

- The first **page** of the database file (after the database header) contains a **leaf table b-tree page**
- Each **cell** in this **leaf table b-tree page** has a **payload** that contains a **record**. (see **diagram**). The body of each record corresponds to a row of **sqlite_schema** table
- Since **sqlite_schema** table stores information about tables in our database, number of cells in this leaf table b-tree page will give us number of tables in the database
- You can determine the number of cells by reading **B-tree Page Header** (right after the database header)

⌃ 18 ⌄   ↩ reply

🟡 **DiegoAlpizar** 11 months ago

This helped me to visualize the underlying binary with schemes and drawings:

https://link.springer.com/content/pdf/10.1007/978-3-030-98467-0_5.pdf

⌃ 11 ⌄   ↩ reply

🐱 **SteveLauC** 5 months ago

The number of cells stored in the root page of `sqlite_master` incudes all the types of entries, not only tables, and if this is not a leaf node, you should traverse the whole tree to find the # of tables

⌃ 9 ⌄   ↩ reply

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