

db24

First steps with the SQLite shell (Tue 23-Jan)

Open the SQLite shell to a transient database:

1. create a table books with CREATE
2. check database .schema
3. check tables with .tables
4. insert a record with INSERT
5. print table with SELECT
6. change display options with .header and .mode
7. export table data to SQL file with .output books.sql and .dump
8. quit with .quit

```
CREATE TABLE books (id INT, author TEXT, title TEXT);
.schema
.tables
INSERT INTO books (id,author,title) VALUES (1,'Tolstoy','War and Peace');
SELECT * FROM books;
.header ON
.mode column
.output books.sql
.dump
.output stdout
.quit
```

To start SQLite with a persistent database, enter `sqlite3 test.db`, and then all data will be written to `test.db` (in a binary format), while `.sql` files are text and human-readable.

Open the SQLite shell to a transient database:

1. import the `.sql` file you wrote in the last session
2. check that import went well with `.tables` and display the table.
3. quit the shell.

```
.read books.sql
.tables
SELECT * FROM books;
.quit
```

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