Working with SQLite

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normally, we have a MySQL database backend it requires a server running MySQL we manually query the database (e.g., using the MySQL client) or we query it through some frontend (e.g., web-based PHP code)
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for portability (and to deal with the current remote restrictions), we can use SQLite think of a database in a file there is no server backend; however, you can think of SQLite as providing the same functionality

so we "load" a database from a file and query it as normal (almost)

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first, install SOLite v3:
sudo apt install sqlite3
try it on a preconfigured database (with a users table):
sqlite3 test.db
then issue the following straightforward SQL query:
select * from users;
as an aside, to list the tables in the database:
.tables
for a list of commands:
.help
we can do this from PHP too!
first, install the SQLite 3 library for PHP:
sudo apt install php-sqlite3
loading a database is easy:
$db = new SQLite3("test.db");
issuing a SOL query is also easy:
$q = $db->query("SELECT * FROM `users`");
we can then iterate through the returned rows:
while (\$r = \$q->fetchArray())
```

of course, we can similarly create tables (check out the code)