SQLite

COMS10012 Software Tools

SQLite

Embedded database:

- Use from the command line.
- Connect via JDBC.
- Use within your own programs.

A database is simply a file.



command line

.tables

.schema NAME

.mode MODE

.once FILE

.excel

.quit

list the tables

describe a table

set output mode

send next result to file

send next result to excel

exit



q

```
http://harelba.github.io/q/
```

\$ q "SELECT id, name FROM candidate.csv"



CSV import

- .mode csv
- .header off
- .import CSVFILE TABLENAME



(

```
#include <sqlite3.h>
sqlite3 *db;
int ok = sqlite3_open("data.db", &db);
// check for SQLITE_OK
sqlite3_close(db);
```



C



C

p: 4th arg to sqlite_exec (lets you pass extra data)

argc: row length (number of columns)

argv: row data

names: column names

