

SQLITE - CREATE DATABASE

http://www.tutorialspoint.com/sqlite/sqlite_create_database.htm

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The SQLite **sqlite3** command is used to create new SQLite database. You do not need to have any special privilege to create a database.

Syntax:

Basic syntax of sqlite3 command is as follows:

```
$sqlite3 DatabaseName.db
```

Always, database name should be unique within the RDBMS.

Example:

If you want to create new database <testDB.db>, then SQLITE3 statement would be as follows:

```
$sqlite3 testDB.db
SQLite version 3.7.15.2 2013-01-09 11:53:05
Enter ".help" for instructions
Enter SQL statements terminated with a ";"
sqlite>
```

Above command will create a file **testDB.db** in the current directory. This file will be used as database by SQLite engine. If you have noticed while creating database, sqlite3 command will provide a **sqlite>** prompt after creating database file successfully.

Once a database is created, you can check it in the list of databases using SQLite **.databases** command as follows:

```
sqlite>.databases
seq  name          file
---  -
0    main            /home/sqlite/testDB.db
```

You will use SQLite **.quit** command to come out of the sqlite prompt as follows:

```
sqlite>.quit
$
```

The .dump Command

You can use **.dump** dot command to export complete database in a text file using SQLite command at command prompt as follows:

```
$sqlite3 testDB.db .dump > testDB.sql
```

Above command will convert the entire contents of **testDB.db** database into SQLite statements and dump it into ASCII text file **testDB.sql**. You can do restoration from the generated testDB.sql in simple way as follows:

```
$sqlite3 testDB.db < testDB.sql
```

At this moment your database is empty, so you can try above two procedures once you have few tables and data in your database. For now, let's proceed to next chapter.