

## Group A Assignment No. 3

- Aim :-  
Study the SQLite database and its uses and installation
- Problem Statement :-
  - 1) Study of SQLite database & its uses.
  - 2) Elaborate on building and installing of SQLite
- Theory :-
  - Installing SQLite :
    - 1) `$ sudo apt-get install sqlite3 libsqlite3-dev`
    - 2) After installation, sqlite terminal will give you a prompt and version info named @neo :- `$sqlite3`  
SQLite version 3.8.2 2013-12-06 14:53:30  
Enter and `&quot;help &quot;` : for instructions  
Enter SQL statements terminated with a `&quot;;&quot;`  
`&quot;sqlite &gt;`
    - 3) To quit -  
`sqlite &gt;; quit`
    - 4) Go to folder and create database :  
`$ sqlite3 database_name.db`



## • Uses of SQLite :-

SQLite is not directly comparable to client/server SQL database engines such as MySQL, Oracle, PostgreSQL or SQL Server gives SQLite is trying to solve a different problem.

SQLite does not compare with client/server db.

- 1) Embedded devices and the IOT.
- 2) Application file format.
- 3) Websites
- 4) Data Analytics
- 5) Cache for enterprise data
- 6) Server-side database
- 7) File archives
- 8) Replacement for ad hoc disk files
- 9) Internal or temporary databases
- 10) Stand in for an enterprise database during demos or testing
- 11) Education and training
- 12) Experimental SQL language extensions.



• Conclusion :-

- 1) Study of installation steps of SQLite database.
- 2) Study of configuration of SQLite database.
- 3) To understand uses of SQLite database.