

Databases

Scripting and Computer Environment - Lecture 10

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Contents

- 1 Sqlite
 - Introduction
 - Using SQLite from command line
 - Using SQLite from Shell scripts

- 2 MySQL and PostgreSQL
 - Setting up database servers



Introduction

Watch video available at Google tech talk -
<http://www.youtube.com/watch?v=giAMt8Tj-84> to learn what
sqlite is. There cannot be better introduction to sqlite then one
given by author of sqlite himself.



For learning how to use SQLite from command line refer to video tutorial at <http://www.sbarjatiya.in/>

At time of this writing site www.sbarjatiya.in is down for unfortunate reasons, hence the same content is hosted on <http://10.5.1.222/> and can be accessed from there.



Using SQLite from Shell scripts

We can give SQL queries to SQLite as input using redirection and here documents. A sample script named '01-records.sh' has been provided with lecture slides to demonstrate how SQLite can be used from shell scripts.

The sample script is intentionally left incomplete. As part of assignment 06 you would be required to complete the script and also implement same functionality using MySQL and PostgreSQL.



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Setting up database servers

Steps on how to setup MySQL and PostgreSQL database servers are mentioned on my homepage at <http://www.sbarjatiya.in/>. In case site is down [ISP troubles :(] you can visit the same content at <http://10.5.1.222/>

SQL will not be explained in slides or in lectures. You are expected to revise / practice SQL using <http://www.sqlzoo.net/>. You are also expected to modify SQLite shell script example so that same can be done using MySQL on your own as part of assignment 06.

