

## CS122 Using Relational Databases and SQL Using MySQL

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## MySQL

- ◆ A high quality, open source DBMS
  - Dual licensed
- ◆ Used by many large companies and organizations
  - <http://www.mysql.com/customers/>
- ◆ Easy to install and resource efficient

## Setup and Configuration

- ◆ See the notes on *MySQL Setup and Configuration*

## MySQL on CS3

- ◆ Version 5.0.45
- ◆ One database per user
  - DB name is the same as the server account user name. E.g. `cs122stu31`
  - Username and password are the same as the ones for the server account

## Access MySQL on CS3

- ◆ Command line client `mysql`
- ◆ MySQL Query Browser
  - Download from <http://dev.mysql.com/downloads/gui-tools/>
- ◆ phpMyAdmin
  - <http://cs3.calstatela.edu/phpMyAdmin>

See <http://sun.calstatela.edu/~cysun/www/teaching/servers/cs3.html#MySQL>

## Common Operations

- ◆ Change password
  - `set password = password('new_password')`

## SQL Script

- ◆ A text file contains SQL *statements* and *comments*
  - Statements: `select, insert, create ...`
  - Comments: lines started with `--`
- ◆ Usually uses the `.sql` suffix
- ◆ Run SQL scripts
  - `mysql: \. script.sql or source script.sql`
  - MySQL Query Browser: `File -> Open Script ... -> Execute`
  - phpMyAdmin: copy&paste to the *SQL* tab