



Computer Science S-75

Building Dynamic Websites

Harvard Summer School
<https://www.cs75.net/>

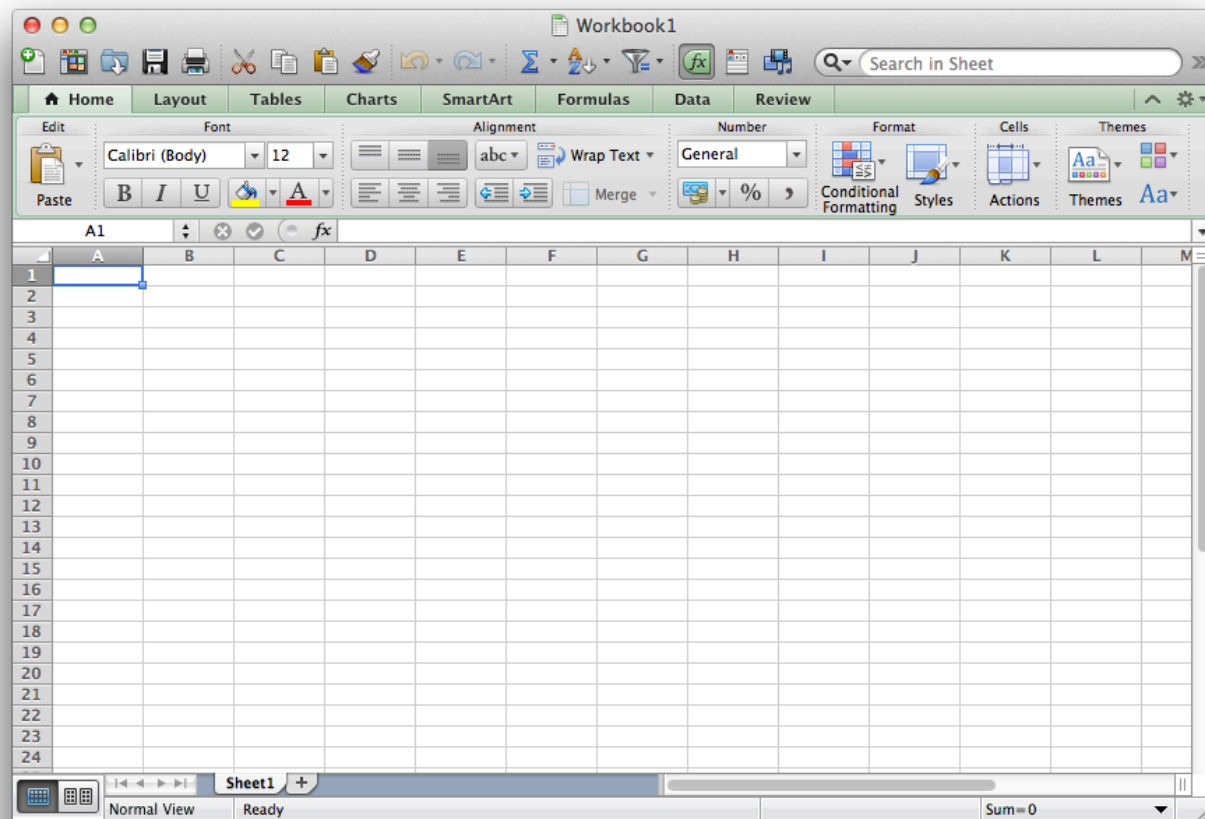
Lecture 4: SQL

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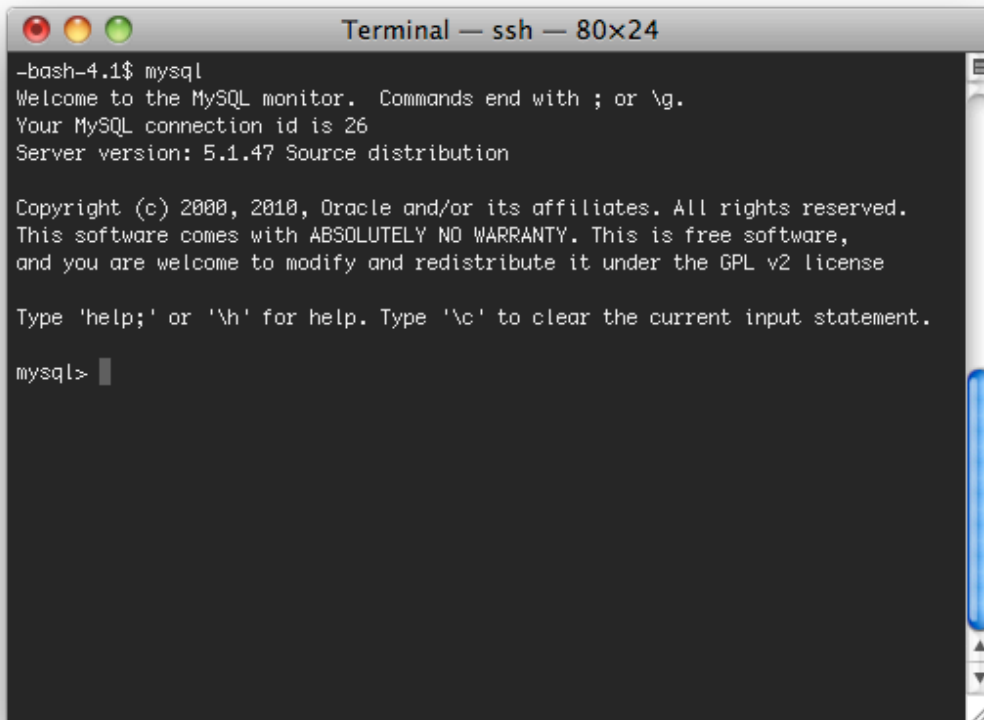
Databases

- CSV
 - `fgetcsv`, `fputcsv`
- XML
 - SimpleXML
- MySQL
 - `mysql`, `mysqli`, PDO
- SQLite
 - PDO
- ...

Relational Databases



MySQL

A terminal window titled "Terminal — ssh — 80x24" with standard macOS window controls (red, yellow, green buttons). The terminal shows the execution of the 'mysql' command. The output includes a welcome message, connection ID (26), server version (5.1.47 Source distribution), copyright information (2000, 2010, Oracle), and a disclaimer about warranty and GPL license. The prompt 'mysql>' is visible at the bottom.

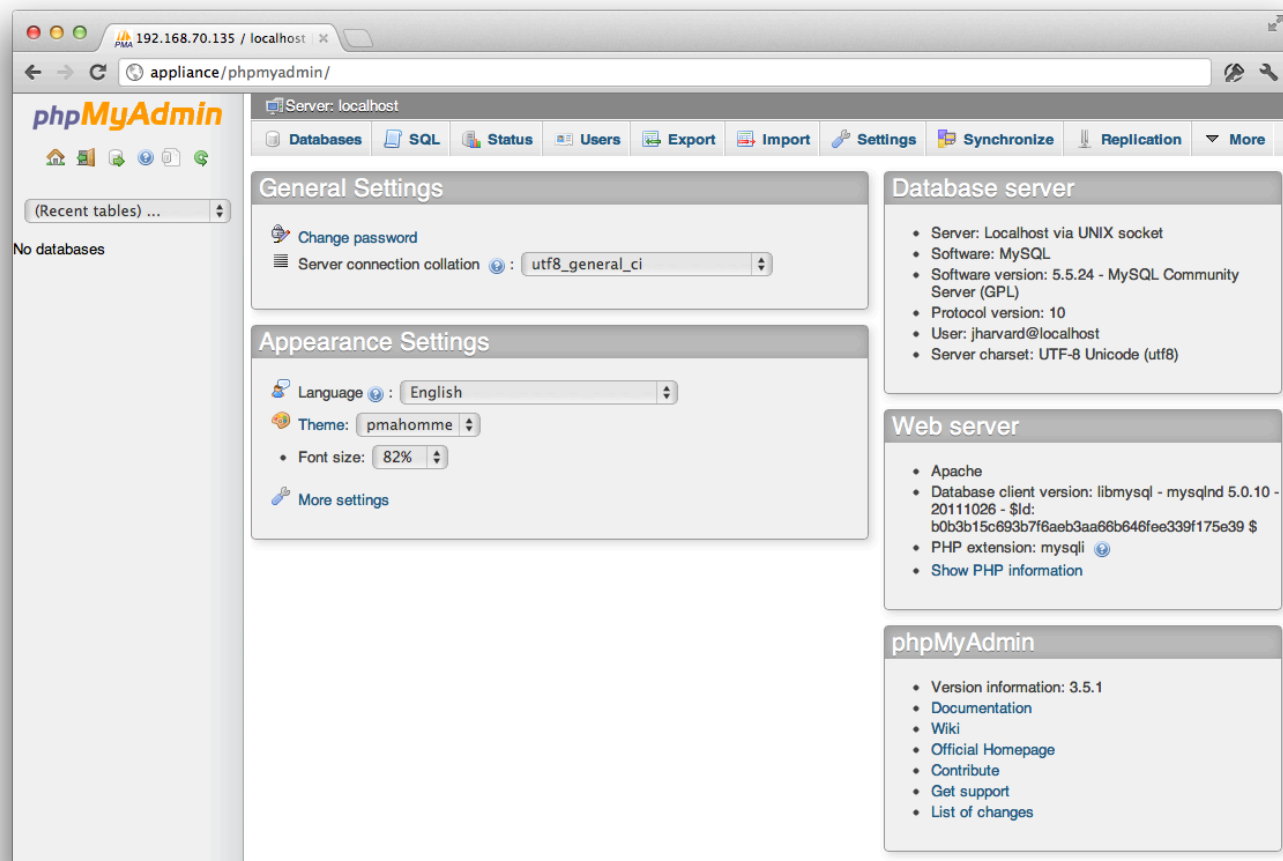
```
-bash-4.1$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
Server version: 5.1.47 Source distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

phpMyAdmin



SQL

- CREATE
- ALTER
- DROP

- SELECT
- INSERT
- UPDATE
- DELETE

- . . .



MySQL

<http://dev.mysql.com/doc/refman/5.5/en/>

Indexes, Constraints

- PRIMARY KEY
- INDEX
- UNIQUE
- FULLTEXT

Authentication

Log In

Please provide your username and password for cs75.net.

Username:

Password:

keep me logged in until I click **log out** atop page



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