

Computer Science E-75

Building Dynamic, Scalable Websites

Harvard Extension School
<http://www.cs75.net/>

Lecture 5: SQL

David J. Malan
malan@post.harvard.edu

Grades

3 x correctness: poor (1) fair (2) good (3) better (4) best (5)
2 x design: poor (1) fair (2) good (3) better (4) best (5)
1 x style: poor (1) fair (2) good (3) better (4) best (5)

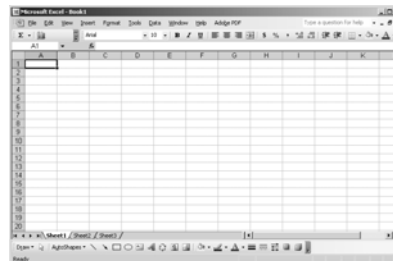
Lolcat of teh Day



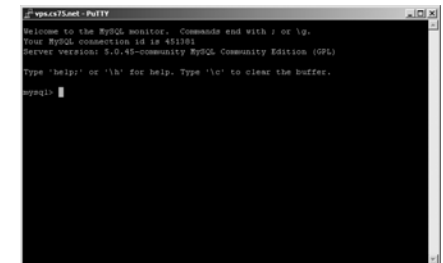
Databases

- CSV
 - `fputcsv`
- XML
 - `SimpleXMLElement::asXML`
- MySQL
 - `mysql_query`
- SQLite
 - `PDO::query`
- ...

Relational Databases



MySQL



phpMyAdmin



SQL

- CREATE
- ALTER
- DROP
- SELECT
- INSERT
- UPDATE
- DELETE
- ...

MySQL

<http://dev.mysql.com/doc/refman/5.0/en/>

Indexes, Constraints

- PRIMARY KEY
- INDEX
- UNIQUE
- FULLTEXT

9

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

10

Lunch

http://www.rebeccascafe.com/wraps_sandwiches_boston_catering.html
http://www.rebeccascafe.com/salads_boston_catering_lunch.html



11

Computer Science E-75

Building Dynamic, Scalable Websites

Harvard Extension School
<http://www.cs75.net/>

Lecture 5: SQL

David J. Malan
malan@post.harvard.edu

12