



# Computer Science E-75

## Building Dynamic, Scalable Websites

Harvard Extension School

<http://www.cs75.net/>

### Lecture 5: SQL

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# 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)

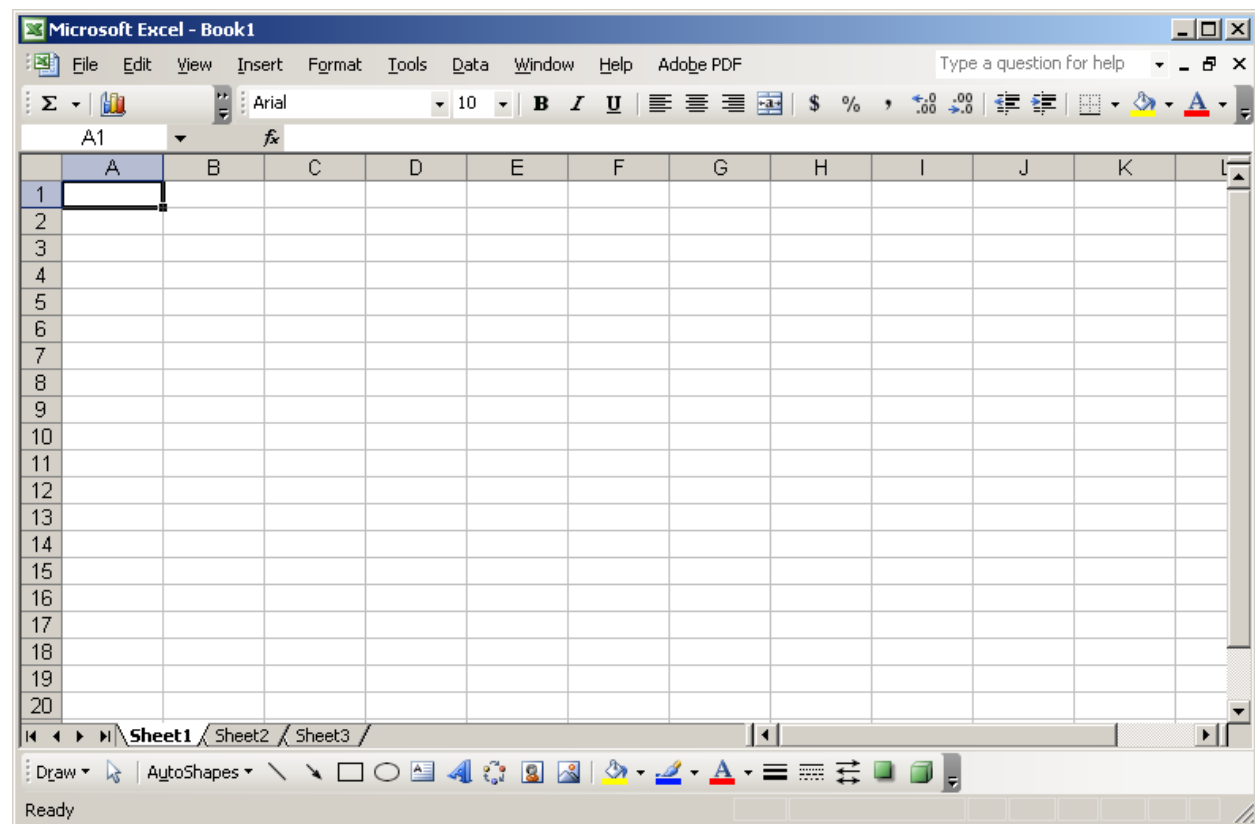
# Lolcat of teh Day



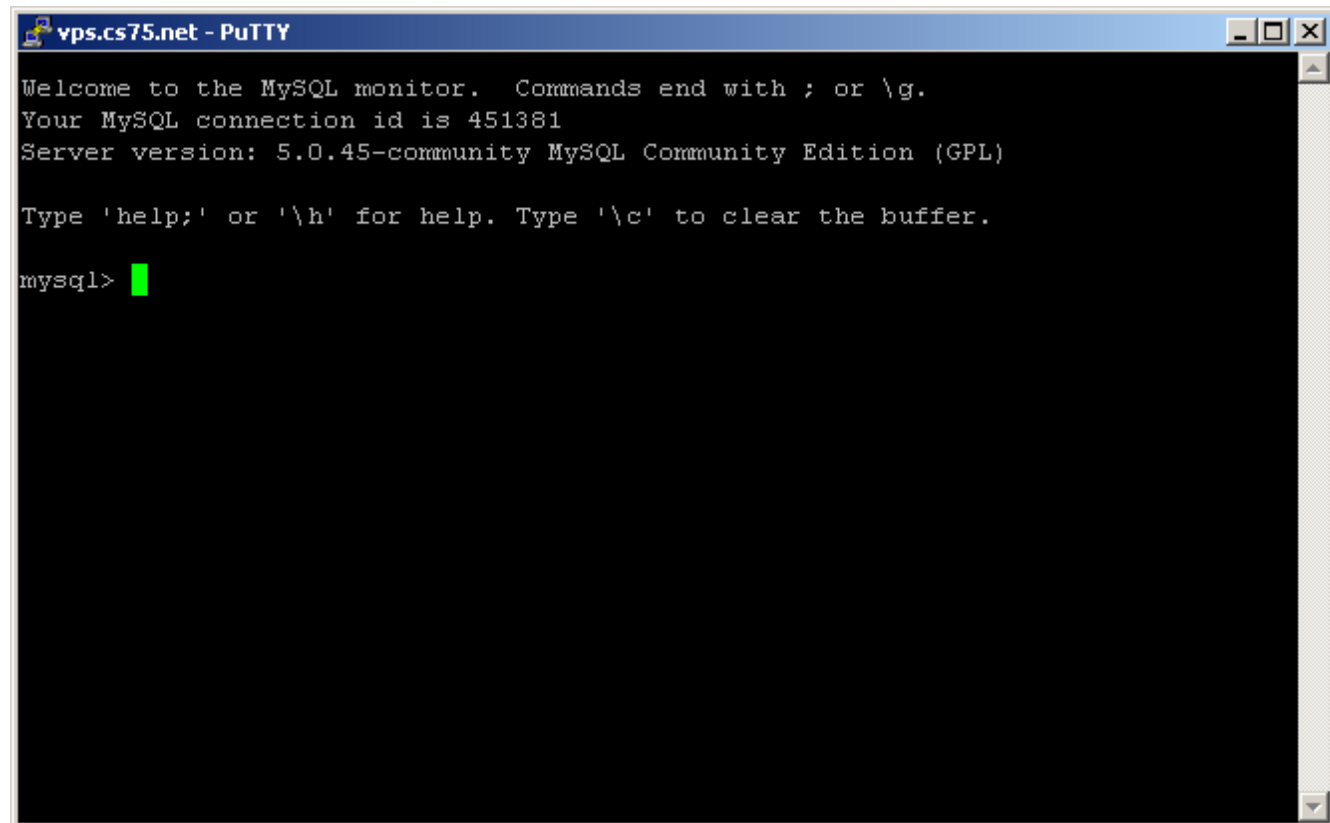
# Databases

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

# Relational Databases



# MySQL

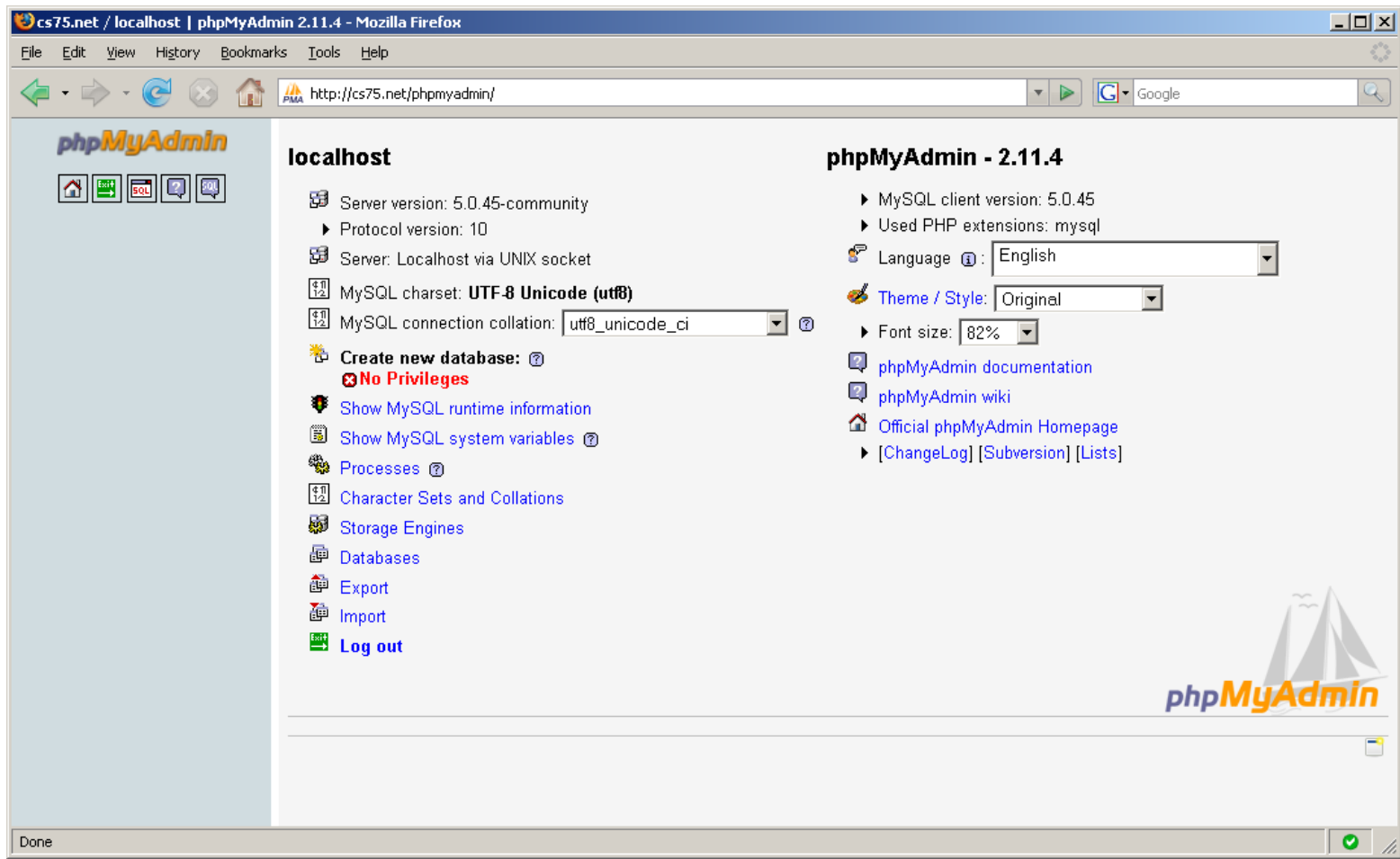


```
vps.cs75.net - PuTTY
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 451381
Server version: 5.0.45-community MySQL Community Edition (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

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

# 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

# Lunch

[http://www.rebeccascafe.com/wraps\\_sandwiches\\_boston\\_catering.html](http://www.rebeccascafe.com/wraps_sandwiches_boston_catering.html)

[http://www.rebeccascafe.com/salads\\_boston\\_catering\\_lunch.html](http://www.rebeccascafe.com/salads_boston_catering_lunch.html)





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