





















Connect to a MySQL Database

- Use one of the client software
- Create a connection with the information about the server
 - Host
 - Port (default 3306)
 - Username
 - Password
 - Database/Schema

Connect to Your MySQL Database on CS3

- <u>http://csns.calstatela.edu/wiki/content/</u> <u>cysun/course_materials/cs3#MySQL</u>
 - Command line client mysql
 - MySQL Workbench
- phpMyAdmin
- Change password
 - set password = password ('something');







Naming Conventions

- Use plural form for table names
- Use singular form for column names
- \$Use underscore to concatenate multiple words, e.g. employee_id
 - Do not use mixed cases in names (e.g. ArtistName) because many DBMS treat names as case-insensitive

About CREATE TABLE

Field types

- integer, real, char(n), varchar(n)
- date, time, datetime, timestamp
- auto_increment
- Integrity constraints
 - unique, not null, primary key
 - foreign key



Update Records

update table set field=value [, ...] where condition(s);

Change John Doe's address to 123 Main St.
Change John Doe's name to Tom Smith

Delete Records delete from table where condition(s);

- $\ensuremath{\circledast}$ Delete all the projects led by John Doe
- Delete all the projects

Delete Tables and Databases

- Delete a database
 - drop database cs320stu31; -- don't do this!
- Delete a table
 - drop table projects;
 - drop table if exists projects; -- MySQL only

Readings

- CS122 Textbook
- MySQL Reference Manual
 - String functions
 - Date and time functions