

launch _code

LC101 2.8



Class Agenda

1. Last Class Review
2. New Material
3. Candidate Engagement Introduction
4. Studio



Review

SQL DB Basics - CREATE TABLE, DROP TABLE

SQL Table Basics - SELECT, INSERT INTO, DELETE, UPDATE

SQL Relationships - Primary Key, Foreign Key, One to Many



Create, Drop DB

Last week we learned how to create, and drop tables. This week we learned how to create, and drop entire databases. You'll notice the syntax is very similar.

```
CREATE DATABASE database_name
```


```
DROP DATABASE database_name
```



SQL Constraints

Last week we saw PRIMARY KEY, which is a constraint. A constraint specifies rules for the data in the table. We can use constraints to be even more specific about the data that goes into our DB.

Additional constraints: NOT NULL (the value can never be null), UNIQUE (all values in a column are different), DEFAULT (allows us to set a default value so if they leave it blank, the default value will fill the spot).

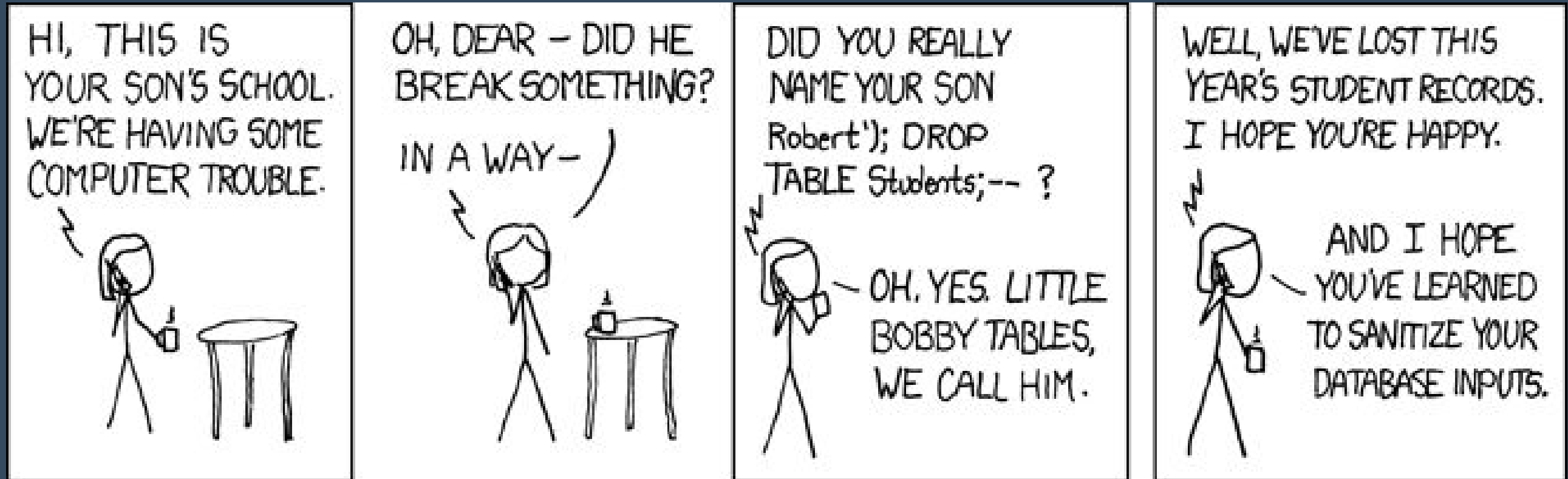


SQL Injection

When a user compromises your DB by including their own SQL statements in a form. We saw how this could be done using HTML, it can also be done with SQL.



SQL Injection continued



Source: <https://xkcd.com/327/>



*AMP stack

Our prep work had us install MAMP.

The * stands for the Operating System the stack is running on, so it can stand for Mac, Windows, or Linux.

MAMP, WAMP, and LAMP all use:

A - Apache (HTTP server)

M - MySQL (variety of SQL)

P - PHP (programming language phpMyAdmin is built on)

MAMP has installations for Windows, and Mac! We will be using MAMP in this class.



Candidate Engagement Intro

How LaunchCode's Apprenticeship program works:

You build skills. (LC101, self-study, college, etc.)

You demonstrate your skills to a Candidate Engagement Manager. (Personal Project, Live Coding, Resume, Interview Skills)

You interview with partner companies.



Personal Project

After you complete LC101, before you are connected with partner companies we require you to build your own personal project.

Your project demonstrates:

Your ability to learn new things

Your ability to solve problems

• Your current programming abilities



Live Coding

We give you a problem to work on with us, usually at a whiteboard. The problem doesn't go beyond anything you would see in Unit 1, programming fundamentals.



Resume

A resume is pretty important in landing a job. We are checking to make sure your resume accurately reflects your skills, and is easily readable.



Interview Skills

Finally, your Candidate Engagement Manager wants to ensure you feel comfortable with the interview process.

You feel comfortable answering both behavioral, and technical interview questions.

You can express yourself accurately, and concisely in an interview..



Continued Assistance

In all four areas where we are checking for success, we want to also provide assistance. If you are struggling with a personal project, resume, interview, or live coding we want to work with you to improve on that area so you are ready for the job search.



Studio - MovieBuff

Walkthrough

Open up phpMyAdmin (students will do this by running MAMP, and then opening MySQL)

We will create a new user for our new DB

We will load in a .SQL file

Now we have data to play with!

