Web Programming Crash Course

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Web Programming: Summary

```
$ git clone https://github.com/davidam/sql-examples.git
$ git clone https://github.com/davidam/php-examples.git
$ git clone https://github.com/davidam/js-examples.git
$ git clone https://github.com/davidam/jquery-examples.git
$ git clone https://github.com/davidam/bootstrap-examples.git
$ git clone https://github.com/davidam/angular-examples.git
$ git clone https://github.com/davidam/casperjs-examples.git
```

1. Storing Data: sql and nosql
2. PHP: A popular language in web programming
3. Pure Javascript!
4. JQuery: the popular library about js with ajax
5. Bootstrap: A responsive solution
6. NodeJS: JS in the server side
7. Angular: A MVC javascript library
8. Jestjs: Test for JS
9. CasperJS: Test for the frontend

Storing Data (I): What?

- SQL is the Structured Query Language
- ACID is Atomicity, Consistency, Isolation and Durability
- noSQL is a most fast way to make queries droping ACID

Storing Data (II): You must to learn

- Create databases
- Create tables
- Insert and delete rows
- Queries in tables
- Dumps to save databases and recover databases

```
$ git clone https://github.com/davidam/sql-examples.git
```

PHP (I): What?

- A popular language in web programming
- A language in the server side

PHP (II): You must to learn

- loops, control structures
- php datastructures
- poo
- filesystem
- filters
- formats (xml, csv, . . .)
- regex
- cookies, sessions

```
$ git clone https://github.com/davidam/php-examples.git
```

Pure Javascript! (I): What?

- A popular language in web programming
- A language in the client side

Pure Javascript! (II): You must to learn

- loops, control structures
- datastructures
- formats (xml, json, . . .)
- debugging js
- ajax in pure js

```
$ git clone https://github.com/davidam/js-examples.git
```

- The popular js library with ajax

- Basics
- JQuery UI
- JQuery API

```
$ git clone https://github.com/davidam/jquery-examples
```

Bootstrap: What?

- A responsive solution for web publishing
- A mix of html markup, css and javascript code

Bootstrap (II): You must to learn

- A good bunch of html examples

```
$ git clone https://github.com/davidam/bootstrap-examples
```

- NodeJS is javascript for the client and the server side
- NodeJS has a very popular packaging system

```
$ git clone https://github.com/davidam/nodejs-examples
```

- A popular MVC framework in JavaScript

```
$ git clone https://github.com/davidam/angularjs-examples
```

- A testing system in Javascript

```
$ git clone https://github.com/davidam/jest-examples
```