Web Advanced: Javascript

PGTE 5505. Section B. CRN 5264.
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WebAdvJS_Fall2016_StudentsHW

Last Week's Recap

- JS definitions and characteristics
- Variable and data types
- Bad arrays vs good arrays; looping array with `forEach`, manipulate array
- Iteration and Conditionals (`for` loops, `if-else, switch-case`)
- Anonymous functions vs named functions
- Function as Object, class-based vs prototype-based
- Intro to Scopes and Closures
- Timing functions

Remember this:

JS is loosely-typed. Everything is *var*.

Remember this:

"Scope" is basically just a fancy word for "availability".

Two main scopes: Global vs Local

Remember this:

JS has NO concept of Block Scoping

But in ES6 you can use "let" instead of "var" to enable block scoping.

Remember this:

Variable hoisting

Be careful when you declare variable with the same name both inside and outside a function.

Remember this:

Closure = Function + Outer Context

I'll show ya

Enough recap. Let's move on to these:

- Immediately-Invoked Function Expression
- Module pattern
- Namespacing your app
- Programming patterns and paradigms
- Public? Private?
- What is "this"?
- Anonymous functions
- Callback functions

IIFE leaves behind no <u>evidence of its existence</u> after it has run.

IIFE: When to use them

- Avoid code collisions

- Avoid polluting the Global scope

- Making things private (let's get to the intro of Module Pattern)

LET'S CODE.