In Today's Class You Will...

- Create **comments** in JavaScript
- Use an **if** statement to control logic flow
- Use a **switch** statement to control logic flow
- Use **comparison** and **logical operators**
- Use **operators** to modify values
- Get user input from popup boxes

HTTP 5122
Front-End Web Development

HTTP 5122

Lesson 2 – Review

Lesson 2- Review

A computer program is a list of ordered steps.

Solving Problems Like a Programmer…

1. Break the problem down into steps.
2. Identify the constraints.

Lesson 2- Review

What is JavaScript?

JavaScript is a programming language that you can use to add interactivity to your web pages. It changes your web page according to interactions with users.

JavaScript can be called from three different places on an html page.

Inline – Within the html code

Internal – Within the <head> tags

External – On a separate .js file and referenced in the <head> tags.

Lesson 2- Review

JavaScript's Three Tiers of Awesome!!!

1. Comes with pre-built "magic" words.

2. Lets you make your own "magic" words (functions).

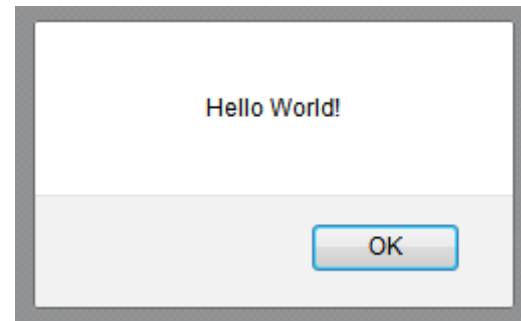3. There are libraries of "magic" words that others have built that you can use. (e.g. jQuery)

Lesson 2- Review

"Magic" Words

alert()

-makes a popup box

`alert("Hello World!");`

Lesson 2- Review

Data Types

1. Number
2. String
3. Boolean
4. null
5. undefined

Lesson 2- Review

Variables

-act as placeholders for data in logic.

Declare a variable.

Assign a variable.

Concatenate a variable.

Assign a variable to a *result.*

Declare all your variables before starting your logic.

Lesson 2- Review

Operators

ADD **+** (strings as well as numbers)

SUBTRACT **-**

MULTIPLY *****

DIVIDE **/**

MODULUS **%**

ASSIGNMENT **=**

CONCATENATOR **+=**

Lesson 2- Review

Comments In JavaScript

Single Line/Inline **// This is a comment**

Block   **/* Block Comment**

for multiple line comments*/

HTTP 5122

Lesson 2 – Debugging & Controlling the Flow of Logic

Methods of Debugging

1. Using comments
2. Using alerts to check your values
3. Using the JavaScript console
4. Googling for answers

LESSON 2 REVIEW