

## In Today's Class You Will...

- Learn 4 debugging techniques
- 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 5111 - JAVASCRIPT

Web Development 1

# HTTP 5111-JAVASCRIPT

## 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)

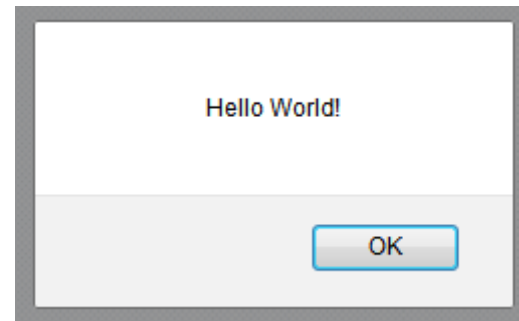
# Lesson 2- Review

“Magic” Words

## alert()

-makes a popup box

```
alert("Hello World!");
```



## function

-creates a new magic word

```
function sayHello() {  
    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 5111 JAVASCRIPT

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