

# Grow with Google: Lesson 9

## What is JavaScript?

### 9.1: Intro to JavaScript

- JavaScript is very ubiquitous now and used to make everything from web apps to games.

### 9.2: History of JavaScript

- HTML and CSS are *markup languages*.
  - Describe and define elements with a document.
- JavaScript is a *programming language*.
  - Used to communicate instructions to a machine.
  - Can control machine behavior and express algorithms.
  - Created in 10 days for NetScape Navigator.
- Is this distinction still valid and useful?

### 9.3: The JavaScript Console

- Open the Console tab in the inspector. CMD + SHF + J

### 9.4: Developer Tools on Different Browsers

### 9.5: Console Log

- `console.log("Outputs this string to the console.")`

```
for (var i = 0; i < 10; i++) {  
  console.log(i); // Print value of variable.  
} // Loops through and prints 0 through 9.
```

### 9.6: JavaScript Demo

- JavaScript can be used to manipulate or add elements in a document.

```
document.getElementsByTagName("h1")[0].style.color="ff0000";  
// Makes the first h1 in the document red.
```

### 9.7: Lesson Summary