

JavaScript I

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JavaScript Review

- Part of the slides are reviews for this course:
<https://www.codecademy.com/learn/introduction-to-javascript>

JavaScript

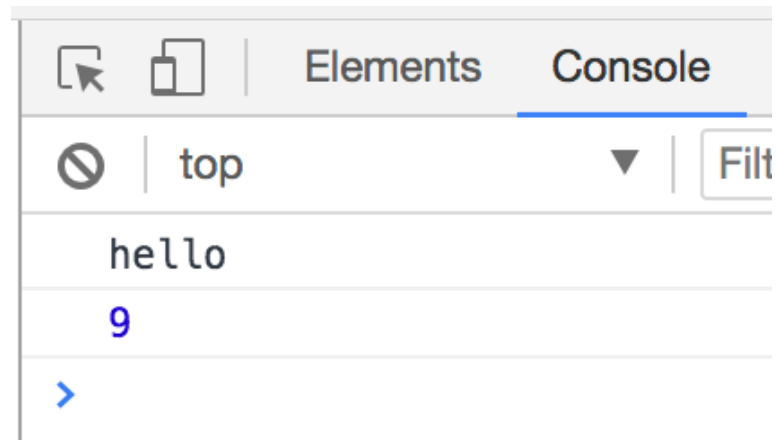
- JavaScript (JS), is a high-level, object-based, and interpreted programming language.
- Alongside HTML and CSS, JavaScript is one of the three core technologies of World Wide Web content production.
- JS is used to make webpages interactive
- All modern web browsers support JS by default with a built-in JavaScript engine.



JS in HTML

- In HTML, JavaScript code must be inserted between `<script>` and `</script>` tags.
- Scripts can be placed in the `<body>`, or in the `<head>` section of an HTML page, or in both.
- The `console.log()` command is used to print, or log, text to the console.

```
<head>
  <meta charset="utf-8">
  <title>JS Exercise</title>
  <script>
    console.log("hello");
    console.log(4+5);
  </script>
</head>
```



JS Comments

- A *single line comment* will comment out a single line and is denoted with two forward slashes `//` preceding a line of JavaScript code.

```
// The first 5 decimals of pi  
console.log('Pi is equal to ' + 3.14159);
```

- A *multi-line comment* will comment out multiple lines and is denoted with `/*` to begin the comment, and `*/` to end the comment.

```
/*  
console.log('All of this code');  
console.log('Is commented out');  
console.log('And will not be executed');  
*/
```

- CSS comment: `/*` to begin the comment, and `*/`
- HTML comment: `<!-- html comment -->`

Properties and Methods

- Objects in JS have properties and methods
- Properties are the **values** associated with a JavaScript object.
- Methods are the **actions** that can be performed on objects.

```
<script>
  //log the length of a string object
  console.log ("hello".length)
  // Log Hello in all uppercase letters
  console.log('hello'.toUpperCase());
  /* Use a string method to log the following statment without whitespace
  at the beginning and end of it. */
  console.log('    Remove whitespace    '.trim());
  console.log('hello'.startsWith('H')); // false
</script>
```

5

HELLO

Remove whitespace

false

In-class Exercise

- Develop the first HTML file with Javascript code to log to console.

Questions?