

MODULE 3

WEEK 2 - REVIEW

DAY 1 - INTRO TO JAVASCRIPT

- Declaring variables
 - **let**
 - **const**
 - **var**
- **null vs. undefined**
- Loose Typing/Equality
 - **== vs. ===**
 - **truthy/falsy**

DAY 1 - INTRO TO JAVASCRIPT

- Logical Branching
 - if/else if/else
 - switch
- Looping
 - for
 - while
 - do
- String Interpolation
- Scope

DAY 1 - INTRO TO JAVASCRIPT

- Defining arrays:
 - `let scores = [];`
 - `let scores = [10, 20, 30];`
- Accessing arrays
 - `scores[2];`
 - **index is 0 based.**
- Array size can be modified in JavaScript!
- Can check size of array with **length** property.

DAY 1 - INTRO TO JAVASCRIPT

- Array Functions
 - push/pop
 - unshift/shift
 - includes
 - indexOf/lastIndexOf
- Object Literals
 - for
 - while
 - do
- Built In Functions

DAY 2 - JAVASCRIPT FUNCTIONS

- Named Functions
 - No return or parameter types
 - Optional parameters
 - Parameter default values
 - **arguments**
- Anonymous Functions
- Array Functions
 - foreach
 - filter
 - map
 - sort
 - reduce
 - every
 - some
- JSDoc

DAY 3 - THE DOM

- DOM vs. HTML
- `document.getElementById('element-id')`
- `element.querySelector('css-selector')`
- `element.querySelectorAll('css-selector')`
- `getElementsByClassName('class-name')`
- `getElementsByName('element-name')`
- `getElementsByTagName('tag-name')`
- `innerText` VS. `innerHTML`

DAY 3 - THE DOM

Property	Description
innerText / innerHTML	Gets or sets the text inside the node. innerText is safe; innerHTML is susceptible to injection attack.
value	Gets or sets the value of most input elements
checked	Gets or sets the Boolean state of a checkbox
classList	Gets a collection of the classes applied to the element. Use .add() or .remove() to change the classes on an element.
children / childNodes	Gets a collection of this element's child elements, or child nodes, respectively. children is <i>*usually*</i> what you want; childNodes include text, comments and other nodes that you are usually not interested in.
parentNode	Gets the element to which this element belongs (is in the parent's children collection)
nextElementSibling / previousElementSibling	Gets to the next/previous element with the same parent

DAY 3 - THE DOM

- `document.createElement('tag-name')`
- `element.insertAdjacentElement('insert-location', element)`
 - `beforebegin`
 - `afterbegin`
 - `beforeend`
 - `afterend`
- `element.appendChild(element)`
- `element.parentNode.removeChild(element)`

DAY 4 - EVENT HANDLING

- Event-driven programming
- publish/subscribe
- `document.DOMContentLoaded`
- `element.addEventListener`

DAY 4 - EVENT HANDLING

Property	Found In	Purpose
currentTarget	All events	Holds the element that the event was triggered on, ie. the button clicked or the select box that changed
clientX	Mouse events	The X coordinate on the screen of the click
clientY	Mouse events	The Y coordinate on the screen of the click
altKey, metaKey, ctrlKey, shiftKey	Mouse and Keyboard events	A boolean on whether the specified key was pressed down during the event
key	Keyboard events	The key that was pressed, taking the Shift key into account. Arrow keys show up as 'ArrowRight', 'ArrowDown', 'ArrowLeft', and 'ArrowUp'

DAY 4 - EVENT HANDLING

- Mouse Events

- click
- dblclick
- mouseover
- mouseout
- mouseleave
- mousemove

DAY 4 - EVENT HANDLING

- Keyboard Events
 - keyup
 - keydown
- Event
 - change (input, select or textarea)
 - submit (form)
 - reset (form)
- FocusEvent
 - focus
 - blur

DAY 4 - EVENT HANDLING

- `event.stopPropagation()`
- `event.preventDefault()`

MODULE 3

WEEK 2 - PAIR EXERCISE

PAIR EXERCISE

Teams and Rooms

Team	Student	Room
0	Aiden Moses	EUCLID
0	Bradley Grasl	
1	David Felson	GARAGE
1	Ryan Wilson	
2	Richard Millard	GOSLING
2	Zoe Moskalew	
3	Cynthia Watson	HOPPER
3	Domenico Boyadjian	
4	Reta Sober	JOHNSON
4	Richard Bunce	
5	Taylor Piccorelli	LOVELACE
5	William Lamar	
6	Alicia Barnhart	ONTARIO
6	Dean Zhang	
7	Brian Moody	PARTICIPATE
7	Taylor Marshaus	
8	David Perez	PROSPECT
8	Keith Wier	
8	Michael Ball	