Virtual Coding Class

WELCOME!

Week 3

May 4th

Click me!

Buttons & Javascript

Buttons with Bootstrap

Javascript

Alerts

Variables

onClick

Javascript: Alerts

Alerts are used when you want to make sure specific information gets to the user. It displays an alert box with a specified message & an OK button on the screen.

TRY THIS in Javascript:

```
alert("Hello! I am an alert box!!");
```

Javascript: Variables

Variables are the nouns of programming
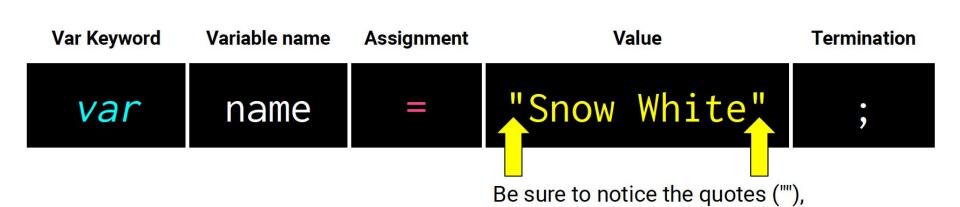
Numbers, strings, Booleans, etc.

Made up of a **name** and a **value**

```javascript
var name = "Snow White";
var dwarfCount = 7;
var isSleeping = true;
```

Javascript: Variable Syntax

Var keyword	Variable name	Assignment	Value	Termination
var	name	=	"Snow White"	;

Javascript: Variable Syntax

Var Keyword	Variable name	Assignment	Value	Termination
var	name	=	"Snow White"	;

Be sure to notice the quotes (""),
which convey that Snow White is a string.

Javascript: OnClick

The onClick event occurs when the user clicks on an element.

in HTML:

```html
<button onclick="myFunction()">Click me</button>
```

in JAVASCRIPT:

```javascript
function myFunction() { alert("Hello World"); }
```

Week 3

May 6th

Click me!

Buttons & Javascript

Buttons with Bootstrap

Javascript

Alerts	Debugging
Variables	Operations
onClick	Comparisons
Confirm	Conditionals

Javascript Coding Challenge

Write a function that

sends the alert ("42") when a button is pressed

What is debugging?

Answer:
The process of identifying & removing errors from your code

___

Javascript: Debugging with console.log()

console.log() is an expression that prints content to the console—very useful during development and debugging!

TRY THIS in JAVASCRIPT

```
console.log("hello world");
```

What's the difference between console.log() & alert?

Answer:
console.log() outputs to the console, not usually visible to users

alerts output a pop-up from the browser, visible to users and usually requires users to click OK to close

Javascript: Operations

Did you know?!
You can perform basic math operations in Javascript ... YEP!

<mark>TRY THIS</mark> in JAVASCRIPT:

console.log(9+2);

Javascript: Comparisons

Comparison operators (>, <, ==, !=, ...) let you determine equality or difference between variables & values

TRY THIS in JAVASCRIPT:

    console.log(9>2);   console.log(2=3);

Javascript: Conditionals

Conditionals make your code robust & prepared for any outcome.

<mark>TRY THIS</mark> in JAVASCRIPT:

```
If (true) {
        alert("hey there friend!");

}
```