



# Virtual Coding Class

WELCOME!

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# Javascript Coding Challenge

Write a function that

- 1) Asks the user to input their name
- 2) Outputs in the console “Hello [user name]!”

Fork our JS Coding Challenge 3:

<https://codepen.io/marinmakerspace/pen/eYpjQpr>



# Week 4

**Mon. May 11th**

Javascript:

Strings, Numbers, & Arrays

Review Wk 3

Strings

# What attribute is required if you want something to happen when a button is clicked?

**Answer:**

onclick

```
<button class="btn btn-primary" onclick="myFunction()">Click Me</button>
```

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# What's the difference between `confirm`, & `prompt`?

## Answer:

***confirm*** outputs a pop-up from the browser, visible to users, requires users to click OK (true) or CANCEL (false), returns user response as a boolean and should be saved in a variable.

***prompt*** outputs a pop-up from the browser, visible to users with an input field for users to type in a response, returns user response as a string and should be saved in a variable.

# What are conditional statements & why use them?

## Answer:

Conditional statements are used to perform different actions based on different conditions

Eg., `if (3>2){alert("hello world")} else{alert("nothing makes sense")}`

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# Javascript: Strings & String Methods



A string is a type of variable and are defined by the use of ""

```
var name="Sally"
```

```
var sentence="It is raining outside."
```

length()

trim()

toUpperCase() & toLowerCase()

split()

replace()

indexOf("element")

splice()

*Review the sample code and [video tutorials on YouTube](#). Try the challenges for practice!*

# Javascript Coding Challenge

Write a function that

- 1) Asks the user to input their name
- 2) If their name is longer than 5 characters, output “Wow what long name”,
- 3) else output “nice to meet ya!”

Fork our JS Coding Challenge 4:

<https://codepen.io/marinmakerspace/pen/MWaPQgN>





# Week 4

**Wed. May 13th**

Javascript:  
Strings, Numbers, & Arrays

*Review Wk 3*

*Strings*

Numbers

Arrays



# Javascript: Numbers & Number Methods

A number is a type of variable

e.g.,

```
var num1 = 10;  
var num2 = 3.4;
```

toString()

isInteger()

Number()

parseFloat()

parseInt()

*Review the sample code and [video tutorials on YouTube](#). Try the challenges for practice!*



# Javascript: Arrays & Array Methods

Arrays are used to store multiple values  
in a single variable

e.g.,

```
var students = ["jessica", "brad",  
"tom", "molly", "ryan", "chole"];
```

length()

toString() vs. join()

indexOf("element")

splice() vs slice() vs split()

*Review the sample code and [video tutorials on YouTube](#). Try the challenges for practice!*