

Front End Development Session 9

Let's Play a Guessing Game!



Learning Goals

In today's session, we will:

Oldon Discuss the use of functions in JavaScript

Demonstrate how to call functions in our code

O3 Practice collaboration in Github



Apply our JavaScript skills to create a functioning game!



Let's review



Q. What kind of code are we learning in this course?

Q. Can you name a role, job, or industry that uses this kind of code?

Q. What three "languages" do we use to create websites?

Q. What does "HTML" stand for?

Q. How can we examine website code on our computers?

Q. In HTML, what's the difference between the <head> and the <body>?

What is the difference between Git and Github?

What does the CLI stand for? What would we use it for?

How do you format a link in HTML?

How do we save our work with Git and Github?

What does a <div> tag do?

What does CSS stand for? Why do we use CSS?

What is the difference between block and inline?

What does "float" do?

What are the five positioning properties?

What is the difference between block and inline?

What does "float" do?

What are the five positioning properties?

What is a framework?

What does "open-source" mean?

What is responsive design?

What is a variable? How do we declare a variable in JS?

What is a data type? What JS data types have we learned so far?

What does state refer to? Why is this useful?

What's the difference between alerts, console.log, and document.write()?

What is a browser event?

How do we generate a random number in Javascript?

What function do we append to round up or round down?

What is pseudocode and why is it useful?

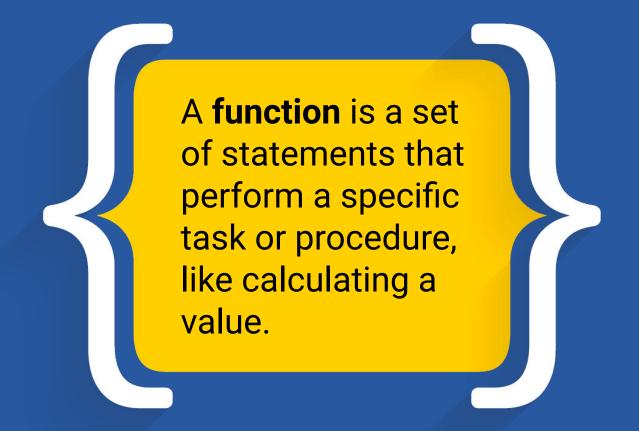
What is a **FOR Loop**?

What does **control flow** refer to?

What is the **DOM** and why is it useful?

How might we describe the relationship between objects in our HTML?







Instructor Demonstration: Loop Logging

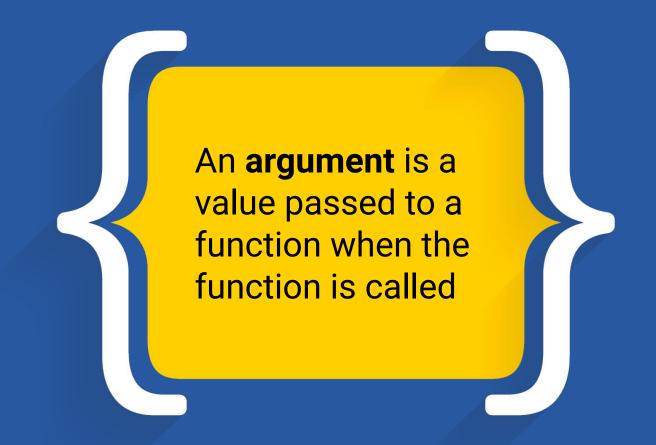


Function Name: An identifier by which the function is called

```
function name (parameter1, parameter2, parameter3) {
  // code to be executed
}
```

"Invoking" Functions: To call your function, include the parentheses

```
function name (parameter1, parameter2, parameter3) {
  // code to be executed
}
```



Returning Functions: The "return" statement stops a function and returns a value

```
function name (parameter1, parameter2, parameter3) {
   // code to be executed
   Return parameter1 + parameter2;
}
```

Predefined functions (and their outputs) can be "invoked" or *called* throughout your code.

Calling an earlier function pauses execution to run and return a value before resuming

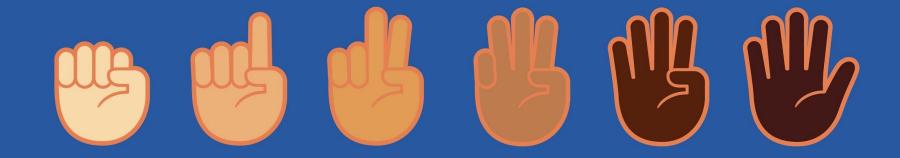




Instructor Demonstration:

Passing an Argument into a Function

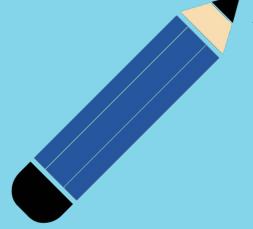
Suggested Time: 5 minutes



Fist to five

Let's





Activity: My First Functions

- 1. Pair up and open the my-first-functions-unsolved.html file.
- 2. Switch off and fill in the missing functions and function calls. There are four functions to work on.
- 3. As you go, try to explain to each other what each one does.





Let's review



Questions?





Guess Word

::												•	::
•		Т	Α	R		•	-	N	•	Т	Н	Е	
	N		G	H	Т							•	
		۰	۰	۰	•	۰		۰			۰		

Staging, Saving, and Sharing Your Work

Memorize these three Git & Github Commands!

01

02

03

ADD

COMMIT

PUSH

Git Commit -M

Don't forget to add a commit message!



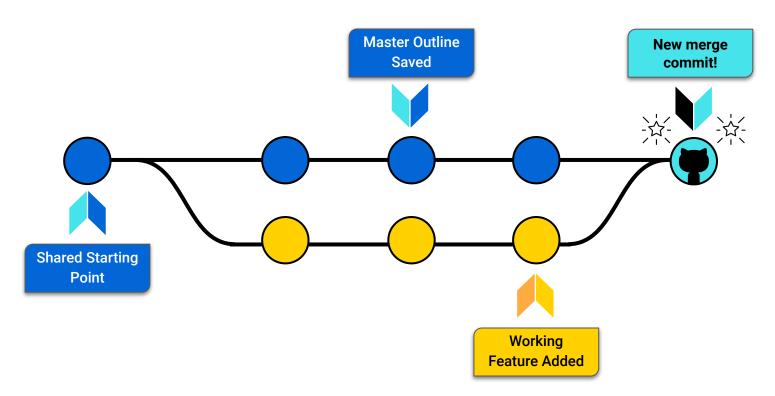
GitHub Commits

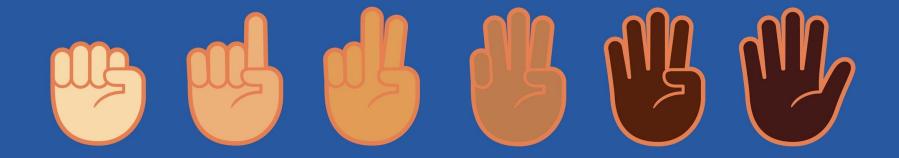
Your code is a series of commits



Checking The Log

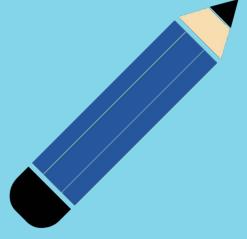
Running git log shows new commit added to the master branch





Fist to five

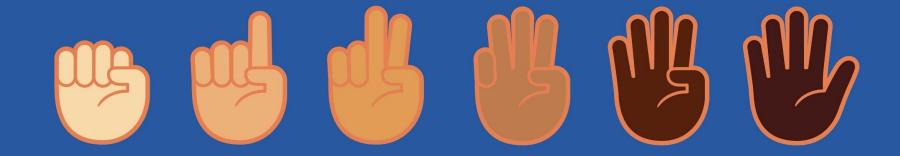




Activity: Guess Word

- 1. Get into groups
- 2. Create your game!
- 3. Don't be afraid to ask for help.





Fist to five



Let's review



Questions?





Learning Goals

Our objectives for today's session:

- Discuss the use of functions in JavaScript
- Demonstrate how to call functions in our code

Practice collaboration in Github



Apply our JavaScript skills to create a functioning game!

Reflection

What was your favorite part of today's session?

What was the most interesting thing we covered today?

What do you still have questions about?





Sneak Preview

Tomorrow, we'll be looking at all of the JavaScript we've learned this week and pulling it all together with a new framework called jQuery!

Questions?



