



WELCOME TO FRONT-END WEB DEVELOPMENT

Please sit next to a different classmate
and write your name on your name tag.

Wi-fi: GA-Guest
pw: yellowpencil

Riddle

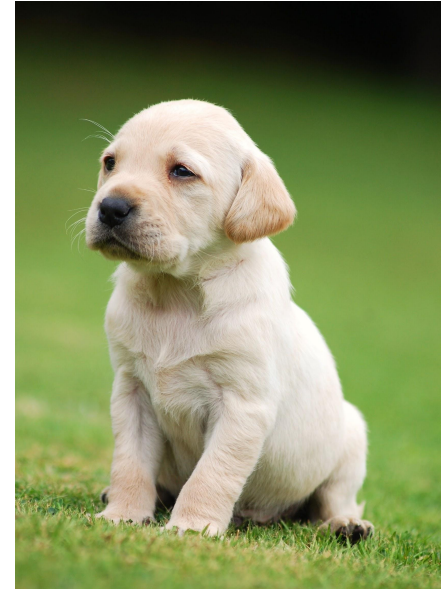
First name only

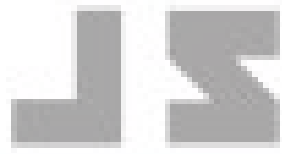


AKA



Abbreviated name





Lesson 12

JavaScript

FUNDAMENTALS

RECAP



Functions

In JavaScript, a function can be:

- Made up of either a single reusable statement or a group of reusable statements.
- Called from anywhere in the program, which allows for the statements inside a function to not be written over and over again

```
// Define the function
// NOTE: Always define a function before using it
var errorAlert = function () {
    alert("Please fill out all required fields.");
};

// Call the function
errorAlert();
```

Defining Functions

Functions can be defined:

```
// As function declarations
function showAlert () {
    alert("Please fill out all required fields.");
};
```

```
// As function expressions
var showAlert = function () {
    alert("Please fill out all required fields.");
};
```

Function parameters and arguments

Functions can have **parameters** that are used as placeholders for data that can be passed to them as **arguments** when the function is called.

Parameters	Arguments
The variables that are defined in the function's declaration when the function is defined.	The actual values passed into the function when the function is called.
Ex: <pre>var doSomething = function (parameter) { // does something }</pre>	Ex: <pre>doSomething(argument)</pre>

```
// flavor and numberScoops are parameters  
var makeCone = function (flavor, numberScoops) {  
  console.log("Coming right up!");  
  console.log("Flavor:" + flavor);  
  console.log("Scoops:" + numberScoops);  
};
```

```
// "chocolate" and 3 are arguments passed to the  
function  
makeCone("chocolate", 3);
```

Passing functions as arguments

Functions can be passed to other function as arguments either by name or directly

```
// A function can be defined and then
// passed by name as an argument
var handleSubmit = function() {
    // Handle form submit code
}

$(form).submit(handleFormSubmit);
```

```
// Or passed directly as an argument
$(form).submit(function () {
    // Handle form submit code
});
```
