

# JAVASCRIPT-CORE-S5-Functions

Js functions Cohort 10 TR  
Training Clarusway  
Pear Deck - January 29, 2022 at 1:32AM

## Part 1 - Summary

Use this space to summarize your thoughts on the lesson

## Part 2 - Responses

Slide 1



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## Slide 2

## Your Response



Did you finish Javascript Core pre-class material?

**YES** **NO**

CLARUSWAY Students choose an option

Peer Deck Interactive Slide

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## Slide 3

# Play Kahoot!

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Link(s) on this slide:

- <https://create.kahoot.it/details/9-functions/65b62897-8964-4cd3-a8d9-ae0a186b6421>

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## Slide 4

## Table of Contents



- Functions
- Functions Methods
- Arrow Functions

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WAY TO REFINEMENT YOURSELF

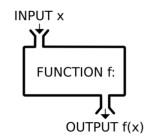


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### Slide 5



## 1 Functions



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## Definition



A JavaScript feature is a block of code that is programmed to perform a specific task

```
function addTwo(parameter) {  
  return parameter + 2;  
}  
  
addTwo(4)
```

function keyword      name      parameter(s)  
return keyword  
action to be performed  
function body (grayed out, between curly braces)  
function invocation  
arguments  
Function will output 6

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## Slide 7

## Definition



The function square takes one parameter, called number. The function consists of one statement that says to return the parameter of the function (that is, number) multiplied by itself. The statement return specifies the value returned by the function

Primitive parameters (such as a number) are transferred to functions by value; the value is passed to the function, but this adjustment is not expressed globally or in the calling function if the function changes the value of the parameter.

```
function square(number) {  
  return number * number;  
}
```

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## Slide 8

## Definition

### Calling a Function

1. The functions can store the instructions for a specific task.
2. When you need the script to perform that task, you call the function.
3. The function executes the code in that code block.
4. When it has finished, the code continues to run from the point where it was initially called.

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```
1 function sayHello() {  
3   document.write('Hello!');  
}  
// Code before hello...  
2 sayHello();  
4 // Code after hello...  
↑
```



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## Slide 9

## Definition

### Calling a Function



The code within the function will be executed when the function is invoked with just one line of code.

```
<script>  
function square(number) {  
  return number * number;  
}  
var result = square(8); // calling function  
console.log("Square: " + result);  
</script>
```

What is the output? Try to figure out in your mind...

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## Slide 10

## Definition

Calling a



The code within the function will be executed when the function is invoked with just one line of code.

```
<script>
function square(number) {
  return number * number;
}
var result = square(8); // calling function
console.log("Square: " + result);
</script>
```



```
top
Square: 64
>
```

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## Slide 11



## Function Expression and Function Constructor

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## Slide 12

## Function Expression and Function Constructor

### Function Expression

We can also describe a JavaScript function using a function expression.

A function expression is very similar to a function statement and has almost the same syntax.

The main difference between a function expression and a function statement is the function name that can be omitted to create anonymous functions in function expressions.

```
var square = function (number) {return number * number};
```

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## Slide 13

## Function Expression and Function Constructor

### Function Constructor

We can also describe a JavaScript function using a function constructor.

```
<script>  
const square = new Function("number", "return number * number");  
console.log(square(5));  
</script>
```



```
top  
25  
>
```

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## Slide 14

## 3 Arrow Function

() => {}

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## Slide 15

### ▶ Arrow Function



Arrow functions, which is added to JavaScript with ES6, is a short syntax for writing function expressions

```
<script>
const multi = (x, y) => x * y;
console.log(multi(8, 4));
</script>
```

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top  
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**JS** JavaScript: ES6 Arrow Function Syntax

```
// The Arrow function, variable  
// type is up to you.  
const ArrowFunction = () => {  
  return "Arrow Function"  
}  
  
// old-school function  
function RegularFunction() {  
  return "Regular Function"  
}
```

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THANKS!

Any questions?

You can find me at:



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