

WDD 131

[Home](#)[W1](#)[W2](#)[W3](#)[W4](#)[W5](#)[W6](#)[W7](#)

Functions

Overview

Functions in JavaScript are common control structures in programming. They are blocks of code that can be called by name to perform a specific task. Functions can be called multiple times throughout a program. Functions can also be passed data to work with, and can return data back to the caller.

"Functions are one of the fundamental building blocks in JavaScript. A function in JavaScript is similar to a procedure—a set of statements that performs a task or calculates a value, but for a procedure to qualify as a function, it should take some input and return an output where there is some obvious relationship between the input and the output. To use a function, you must define it somewhere in the scope from which you wish to call it. - [MDN](#)"

Prepare

- Read [Functions](#) - MDN

Focus on how to define functions and how to call functions:

- ✓ Function declaration
- ✓ Function expression
- ✓ Arrow function expression
- ✓ Calling Functions

Check Your Understanding

Given the following code snippet:

```
let firstName = 'Antonia';  
let lastName = 'Francesca';
```

- ✓ Write a **function declaration / definition** named **fullName** that has two parameters named **first** and **last**. The function's purpose is to combine those two string parameters together to return one combined string (a 'full' name) with a space between the **first** and **last** variables.

▶ Answer

- ✓ Now use an anonymous **function expression** to do the same thing where the function is assigned to a variable named **fullName**.

▶ Answer

- ✓ Now use an **arrow function expression** to do the same thing where the function is assigned to a variable named **fullName**.

▶ Answer

- ✓ Write an expression that calls the **fullName** function declaration and writes the result to an existing HTML element's text node with the ID of **fullName**

▶ Answer

Optional Resources

- [Functions-reusable blocks of code](#) - MDN JavaScript Tutorial
- [Build your own function](#) - MDN JavaScript Tutorial
- [Test Your Skills: Functions](#) - MDN JavaScript Building Blocks