# JavaScript Function Parameters

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## Parameters (Function Input)

Function **parameters** are the names listed in the function definition.

Function **arguments** are the real values passed to (and received by) the function.

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Function Parameters</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Parameters (Function Input)</h4>
<p id="demo"></p>

<script>
function myFunction(firstName, lastName) {
  return "Hello " + firstName + " " + lastName;
}
document.getElementById("demo").innerHTML = myFunction("John", "Doe");
</script>

</body>
</html>
```

### Example 1

**Result** View Example

## Functions with One Parameter

A function can have a single parameter:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Function Parameters</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Functions with One Parameter</h4>
<p id="demo"></p>

<script>
function square(x) {
  return x * x;
}
document.getElementById("demo").innerHTML = "Square of 5: " + square(5);
</script>

</body>
</html>
```

### Example 2

**Result** View Example

## Functions with Multiple Parameters

A function can have multiple parameters separated by commas:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Function Parameters</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Functions with Multiple Parameters</h4>
<p id="demo"></p>

<script>
function sum(a, b, c) {
  return a + b + c;
}
document.getElementById("demo").innerHTML = "Sum of 5, 10, 15 = " + sum(5, 10, 15);
</script>

</body>
</html>
```

### Example 3

**Result** View Example

## Incorrect Parameters

If a function is called with missing arguments (fewer than declared), the missing values are set to `undefined`:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Function Parameters</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Incorrect Parameters</h4>
<p id="demo"></p>

<script>
function multiply(a, b) {
  return a * b;
}
// Only one argument passed, b will be undefined
document.getElementById("demo").innerHTML = "multiply(5) = " + multiply(5) + " (NaN because b is
</script>

</body>
</html>
```

### Example 4

**Result** View Example

## Default Parameter Values

ES6 allows function parameters to have default values:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Function Parameters</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Default Parameter Values</h4>
<p id="demo1"></p>
<p id="demo2"></p>

<script>
function myFunction(x, y = 10) {
  return x + y;
}
document.getElementById("demo1").innerHTML = "myFunction(5) = " + myFunction(5);
document.getElementById("demo2").innerHTML = "myFunction(5, 3) = " + myFunction(5, 3);
</script>

</body>
</html>
```

### Example 5

**Result** View Example

## Document

Document in project

You can Download PDF file.

## Reference

- W3Schools JavaScript Function Parameters