



Function with a parameter (Single, and Multiple)



Lecture CheckList

1. Function with parameter.
2. Function with one parameter.
3. Function with default parameter.
4. Function with two parameters.
5. Array as an argument.

Function with a parameter

Before looking into the syntax and code let's understand what is a parameter and along with the parameter comes an argument.

A parameter is a variable in a function definition.

An argument is the actual value passed to the function when the function is called.

Inside a function, we can take one, two, multiple, and an unlimited number of parameters. In this lecture we will be looking into how to take one parameter inside the function and the rest will be seen in further lectures.

Function with one parameter.

Let's look at an example where we will be writing a function that displays the message passed as a parameter onto the console.

```
// Function with Parameter

// Function Declaration

function displayMessage(messageToBeDisplayed) {
    console.log(messageToBeDisplayed);
}
```

In the above example the “messageToBeDisplayed” is the parameter which is specified in the function declaration.

Function with one parameter.

```
// Function with Parameter

// Function Declaration

function displayMessage(messageToBeDisplayed) {
    console.log(messageToBeDisplayed);
}

// Calling in a function.

displayMessage("I am happy to learn Full Stack Web Development from PW Skills");
displayMessage("I am enjoying the journey of javascript");
```

Function with default parameter.

Sometimes functions are written with default parameter values to avoid errors when the function is called without passing any arguments.

```
// Function with Parameter

// Function Declaration

function displayMessage(
  messageToBeDisplayed = "I am a proud student of PW Skills"
) {
  console.log(messageToBeDisplayed);
}

// Calling in a function.

displayMessage("I am happy to learn Full Stack Web Development from PW Skills");
// OUTPUT : I am happy to learn Full Stack Web Development from PW Skills

displayMessage();
// OUTPUT : I am a proud student of PW Skills
```


Function with two parameters.

To look at the function with two parameters, the best example would be of writing a function that gives us the sum of two numbers by taking the numbers as parameters.

```
// Function with two parameters.

// Function Declaration

function sumOfTwoNumbers(num1, num2) {
    return num1 + num2;
}

// Calling a Function

let result = sumOfTwoNumbers(10, 40);
console.log(result);

// OUTPUT: 50
```

Array as an argument.

It is not necessary to always pass arguments as primitive values or variables containing primitive values. We can also pass the values as an array.

```
// Function with two parameters.

// Function Declaration

function sumOfTwoNumbers([num1, num2]) {
    return num1 + num2;
}

// Calling a Function

let numbers = [10, 40];

let result = sumOfTwoNumbers(numbers);
console.log(result);

// OUTPUT: 50
```




▶ THANK YOU ◀