# **JavaScript Function Definitions**

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#### Source of the article

• JavaScript Function Definitions

```
JavaScript function .
______(function declaration) ______(function expression)
```

#### **Function Declarations**

function functionName (no nameton) (

```
function functionName(parameter) {
  // code to be executed
}
```

( ) . " " ,

```
function myFunction(a, b) {
   return a * b;
}
</script>
</body>
</html>
```

```
가 JavaScript
가 가
```

## **Function Expressions**

**JavaScript** (expression)

:

```
<!DOCTYPE html>
<html lang="en">
<body>

A function can be stored in a variable:

<script>
    var x = function (a, b) { return a * b };
    document.getElementById("demo").innerHTML = x;
</script>
</body>
</html>
```

;

```
<!DOCTYPE html>
<html lang="en">
<body>

After a function has been stored in a variable, the variable can be used as a function:

<script>
    var x = function (a, b) { return a * b };
```

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```
document.getElementById("demo").innerHTML = x(4, 3);
</script>
</body>
</html>
```

(anonymous function) ( ) .

. ( )

가

### The Function() Constructor

```
, JavaScript function

Function() JavaScript (constructor)

var myFunction = new Function("a", "b", "return a * b");

var x = myFunction(4, 3);

7h .

var myFunction = function (a, b) { return a * b }

var x = myfunction(4, 3)
```

JavaScript new

### **Function Hoisting**

Hoisting JavaScript .

, JavaScript :

```
myFunction(5);
function myFunction(y) {
  return y * y;
}
```

### **Self-Invoking functions**

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

Functions can be invoked automatically without being called:

<script>
    (function () {
        document.getElementById("demo").innerHTML = "Hello!!! I called
myself";
     })();
     </script>
</body>
</html>
```

(anonymous self-invoking function) (

#### **Functions Can Be Used as Values**

JavaScript

```
function myFunction(a, b) {
  return a * b;
}

var x = myFunction(4, 3);
```

JavaScript

```
function myFunction(a, b) {
```

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```
return a * b;
var x = myFunction(4, 3) * 2;
```

## **Functions are Object**

JavaScript typeo	f	u n	
JavaScript	가		
JavaScript	(properties)	(methods)가	
arguments.lengt	:h 가		
toString()		·	

\_(object constructor)

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