2025/11/01 20:43 1/5 JavaScript Functions

JavaScript Functions

```
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```

The Source of this article

JavaScript Functions

JavaScript Function Syntax

```
JavaScript (a block of code) .

JavaScript " 가 "가 ( ) .

function myFunction(p1, p2) {
  return p1 * p2; // The function returns the product of p1 and p2
}
```

JavaScript Function Syntax

가

(arguments)

(value)

가

, () (local variables) . (Subroutine) .

Funcion Invocation

```
・ ( 가 )
• JavaScript ( )
```

+Function Return

Example

```
var x = myFunction(4, 3); // Function is called, return value will end up
in x

function myFunction(a, b) {
  return a * b; // Function returns the product of a and b
```

Why Functions?

2025/11/01 20:43 3/5 JavaScript Functions

Example

```
(Fahrenheit) (Celsius) :
```

```
function toCelsius(fahrenheit) {
  return (5/9) * (fahrenheit-32);
}
document.getElementById("demo").innerHTML = toCelsius(77); // 25
```

The () Operator Invokes the Function

```
toCelsius , toCelsius()
() パ
```

Example

```
function toCelsius(f) {
  return (5 / 9) * (f - 32);
}
  document.getElementById("demo").innerHTML = toCelsius;
  /* function toCelsius(f) { return (5 / 9) * (f - 32); } */
```

+Functions Used as Variable Values

```
(formulas), (assignments) (calculations)
```

Example

```
let x = toCelsius(77);
let text = "The temperature is " + x + " Celsius";
```

```
document.getElementById("demo").innerHTML = "The temperature is " +
toCelsius(77) + " Celsius";
// The temperature is 25 Celsius

function toCelsius(fahrenheit) {
  return (5 / 9) * (fahrenheit - 32);
}
```

Local Variables

JavaScript LOCAL .

(Loval variables) .

Example

```
<!DOCTYPE html>
<html>
<body>
 <h2>JavaScript Functions</h2>
 Outside myFunction() carName is undefined.
  <!-- string Volvo -->
  <!-- undefined</pre>
 <script>
   myFunction();
   function myFunction() {
     let carName = "Volvo"; // local variable
     document.getElementById("demo1").innerHTML = typeof carName + " " +
carName:
   }
   document.getElementById("demo2").innerHTML = typeof carName;
 </script>
</body>
</html>
```

, Javascript, Functions

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