JavaScript Function Definitions

description: JavaScript Function Definitions
author:
email: shlim@repia.com
lastupdate: 2021-04-14

Source of the article

• JavaScript Function Definitions

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

Function Declarations

```
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 };
```

```
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);

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) {
```

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

Functions are Object

```
JavaScript typeof
                           가
     JavaScript
JavaScript
                 (properties)
                                  (methods)가
                        가
arguments.length
<!DOCTYPE html>
<html>
<body>
  The arguments.length property returns the number of arguments received
by the function:
  <script>
    function myFunction(a, b) {
      return arguments.length;
    document.getElementById("demo").innerHTML = myFunction(4, 3);
  </script>
</body>
```

toString()

</html>

```
<!DOCTYPE html>
<html>
</head>
<body>

The toString() method returns the function as a string:

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

```
document.getElementById("demo").innerHTML = myFunction.toString();
    </script>
</body>
</html>
```

_____(object constructor)

Arrow Functions

function , return (curly brackets)

```
this가
, const var
가 return
```

return

```
<!DOCTYPE html>
<html>
<hody>

<h2>JavaScript Arrow Functions</h2>

Arrow functions are not supported in IE11 or earlier.

<script>
    const x = (x, y) => { return x * y };
    document.getElementById("demo").innerHTML = x(7, 8);
    </script>
</body>
</html>
```

IE11

,, Javascript, Function, Definitions

From: http://125.132.25.164/dokuwiki/ - . - 2023.12

Permanent link:

http://125.132.25.164/dokuwiki/doku.php?id=wiki:javascript:javascript_note:function_definition&rev=1618381764

Last update: 2022/03/10 19:52