

JAVASCRIPT - THE FUNCTION CONSTRUCTOR

http://www.tutorialspoint.com/javascript/javascript_function_constructors.htm

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The *function* statement is not the only way to define a new function; you can define your function dynamically using **Function** constructor along with the **new** operator.

Note – Constructor is a terminology from Object Oriented Programming. You may not feel comfortable for the first time, which is OK.

Syntax

Following is the syntax to create a function using **Function** constructor along with the **new** operator.

```
<script type="text/javascript">
  <!--
    var variablename = new Function(Arg1, Arg2..., "Function Body");
  //-->
</script>
```

The **Function** constructor expects any number of string arguments. The last argument is the body of the function – it can contain arbitrary JavaScript statements, separated from each other by semicolons.

Notice that the **Function** constructor is not passed any argument that specifies a name for the function it creates. The **unnamed** functions created with the **Function** constructor are called **anonymous** functions.

Example

Try the following example.

```
<html>
  <head>

    <script type="text/javascript">
      <!--
        var func = new Function("x", "y", "return x*y;");
        function secondFunction(){
          var result;
          result = func(10,20);
          document.write ( result );
        }
      //-->
    </script>

  </head>
  <body>
    <p>Click the following button to call the function</p>

    <form>
      <input type="button" onclick="secondFunction()" value="Call Function">
    </form>

    <p>Use different parameters inside the function and then try...</p>

  </body>
</html>
```

Output

