# Javascript HTML DOM Document querySelectorAll() Method

- description : Javascript HTML DOM Document querySelectorAll() Method
- author :
- email : shlim@repia.com
- lastupdate : 2021-05-26

## The source of the article

HTML DOM Document querySelectorAll() Method

## Example

class="example"                                              .

```
<body>

  <h2 class="example">A heading with class="example"</h2> <!-- red
  -->
  <p class="example">A paragraph with class="example"</p> <!-- red
  -->


  <p>
    Click the button to add a background color to all elements with
class="example".
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <script>
    function myFunction() {
      var x, i;
      x = document.querySelectorAll(".example");
      for (i = 0; i < x.length; i++) {
        x[i].style.backgroundColor = "red";
      }
    }
```

```
    </script>

</body>
```

# Definition and Usage

querySelectorAll()                    CSS
        (static) NodeList                    .

NodeList                                   .
                                      .              O                     .

**Tip:** NodeList
                                                                    .

CSS                                              , CSS Selectors Tutorial
CSS Selectors Reference                     .

# Browser Support

**Note:** Internet Explorer 8    CSS2                              . IE9                        CSS3                        .

# Syntax

```
document.querySelectorAll(CSS selectors)
```

# Parameter Values

| Parameter | Type | Description |
|---|---|---|
| CSS selectors | String | .                                      CSS                        .              ID, , , , HTML . , . **Tip:** CSS CSS Selectors Reference . |

# Technical Details

| DOM Version | Selectors Level 1 Document Object | | |
|---|---|---|---|
| Return Value | CSS NodeList (static) . | DOM SYNTAX_ERR | NodeList . NodeList . |

# More Examples

## Example

                                  `<p>`               ,        `<p>`    (index 0)                                   .

```html
<body>

  <p>This is a p element.</p> <!-- red            -->

  <p>This is also a p element.</p>

  <p>
    Click the button to add a background color
    to the first p element (index 0) in the document.
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet 8 and eralier versions.</p>

  <script>
    function myFunction() {
      var x = document.querySelectorAll("p");
      // Get all <p> elements in the document.
      x[0].style.backgroundColor = "red";
      // Set the background color of the first <p> element
    }
  </script>

</body>
```

## Example

                 `class="example"`          `<p>`               ,        `<p>`                      .

```html
<body>
```

```
<h2 class="example">A heading with class="example"</h2>
<p class="example">A paragraph with class="example"</p>
<p class="example">Another paragraph with class="example".</p> <!-- yellow
        -->

<p>
  Click the button to add a background color to the first p element (index
0) in the document with class="example".
</p>

<button onclick="myFunction()">Try it</button>

<p><strong>Note:</strong> The querySelctorAll() method is not supported in
Internet Explorer 8 and earlier versions.</p>

<script>
  function myFunction() {
    var x = document.querySelectorAll("p.example");
    // Get all <p> elements in the document with class="example"
    x[1].style.backgroundColor = "yellow";
    // Set the background color of the second <p> element with
class="example" (index 1)
  }
</script>

</body>
```

## Example

class="example"                                    (NodeList      length         ).

```
<body>

  <div class="example">
    A div element with class="example"
  </div>

  <div class="example">
    Another div element with class="example"
  </div>

  <p class="example">A p element with class="example"</p>

  <p>
    Click the button to find out how manu elements with class "example"
there are in this document.
```

```
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <p id="demo"></p>

  <script>
    function myFunction() {
      var x = document.querySelectorAll(".example");
      document.getElementById("demo").innerHTML = x.length;  // 3
      console.log(x); // NodeList(3) [div.example, div.example, p.example]
    }
  </script>

</body>
```

## Example

class="example"                                    .

```
<head>
  <style>
    .example {
      border: 1px solid #000;
      margin: 5px;
    }
  </style>
</head>

<body>

  <div class="example">
    A div with class="example"
    <!-- red           -->
  </div>

  <div class="example">
    Another div with class-"example"
    <!-- red           -->
  </div>

  <p class="example">This is a p element with class="example"</p> <!-- red
          -->

  <p>This is a <span class="example">span</span> element with
```

```
class="example" inside another p element.</p> <!-- span   red            -->

  <p>Click the button to change the background color of all elements with
class="example".</p>

  <button class="example" onclick="myFunction()">Try it</button> <!-- red
         -->

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <script>
    function myFunction() {
      var x = document.querySelectorAll(".example");
      var i;
      for (i = 0; i < x.length; i++) {
        x[i].style.backgroundColor = "red";
      }
      console.log(x);
      /* NodeList(5)[div.example, div.example, p.example, span.example,
button.example] */
    }
  </script>

</body>
```

## Example

```
        <p>                          .
```

```
<head>
  <style>
    .example {
      border: 1px solid #000;
      margin: 5px;
    }
  </style>
</head>

<body>

  <h1>A h1 element</h1>

  <div>A div element</div>

  <p>A p element</p> <!-- red            -->
```

```
  <p>Another p element</p> <!-- red           -->

  <div class="example">
    <p>A p element inside a div element.</p> <!-- red           -->
  </div>

  <p>
    Click the button to change the background color of all p elements in the
document.
    <!-- red           -->
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p> <!-- red           -->

  <script>
    function myFunction() {
      var x = document.querySelectorAll("p");
      var i;
      for (i = 0; i < x.length; i++) {
        x[i].style.backgroundColor = "red";
      }
      console.log(x); /* NodeList(5) [p, p, p, p, p] */
    }
    /* console.log(x); */
    /* Uncaught ReferenceError: x is not defined */
  </script>

</body>
```

## Example

　　　　"target"　　　　　　　　<a>　　　　　　　　.

```
<head>
  <style>
    a[target] {
      background-color: yellowgreen;
    }
  </style>
</head>

<body>
  <p>
    The CSS selector a[target] makes sure that all links with a target
```

```
attribute gets a yellow background:
  </p>

  <a href="https://www.w3schools.com">w3schools.com</a>
  <a href="http://www.disney.com" target="_blank">disney.com</a> <!-- 10px
solid red border      -->
  <a href="http://www.wikipedia.org" target="_top">wikipedia.org</a> <!--
10px solid red border      -->

  <p>
    Click the button to add a red border to all links in the document with a
target attribute.
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <script>
    function myFunction() {
      var x = document.querySelectorAll("a[target");
      var i;
      for (i = 0; i < x.length; i++) {
        x[i].style.border = "10px solid red";
      }
    }
  </script>

</body>
```

## Example

```
        <div>            <p>                    .
```

```
<head>
  <style>
    div {
      border: 1px solid #000;
      margin-bottom: 10px;
    }
  </style>
</head>

<body>
```

```html
  <div>
    <h3>H3 element</h3>
    <p>
      I am a p element, my parent is a div element. <!-- teal          -
->
    </p>
  </div>

  <div>
    <h3>H3 element</h3>
    <p>
      I am a p element, my parent is also a div element. <!-- teal
 -->
    </p>
  </div>

  <p>
    Click the button to change the background color of every p element where
the parent is a div element.
  </p>

  <button onclick="myFuncion()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <script>
    function myFuncion() {
      var x = document.querySelectorAll("div > p");
      var i;
      for (i = 0; i < x.length; i++) {
        x[i].style.backgroundColor = "teal";
      }
    }
  </script>

</body>
```

## Example

<h2>, <div>    <span>                        .

```html
<body>

  <h1>A H1 element</h1>

  <h2>A H2 element</h2> <!-- red              -->
```

```
  <div>A DIV element</div> <!-- red                -->

  <p>A p element</p>

  <p>A p element with a <span style="color:brown;">span</span> element
inside.</p>
  <!-- span   red            -->
  <p>
    Click the button to set the background color of all h2, div and span
elements.
  </p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The querySelectorAll() method is not supported
in Internet Explorer 8 and earlier versions.</p>

  <script>
    function myFunction() {
      var x = document.querySelectorAll("h2, div, span");
      var i;
      for (i = 0; i < x.length; i++) {
        x[i].style.backgroundColor = "red";
      }
      console.log(x); /* NodeList(3) [h2, div, span] */
    }
  </script>

</body>
```

,, Javascript, HTML, DOM, Document, querySelectorAll(), Method