

## Selecting DOM Elements

### Finding HTML Element by Id

```
<p id="intro">Finding HTML Elements by Id</p>
  <p id="demo"></p>

  <script>
    const element = document.getElementById("intro");
    document.getElementById("demo").innerHTML =
      "The intro paragraph is: " + element.innerHTML;
  </script>
```

---

### Finding HTML Elements by Tag Name

```
<p>Finding HTML Elements by Tag Name.</p>
<p>This example demonstrates the <b>getElementsByName</b>
method.</p>

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

<script>
const element = document.getElementsByTagName("p");

document.getElementById("demo").innerHTML = 'The text in first
paragraph (index 0) is: ' + element[0].innerHTML;
</script>
```

```
<div id="main">
<p>Finding HTML Elements by Tag Name</p>
<p>This example demonstrates the <b>getElementsByTagName</b>
method.</p>
</div>

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

<script>
const x = document.getElementById("main");
const y = x.getElementsByTagName("p");

document.getElementById("demo").innerHTML =
'The first paragraph (index 0) inside "main" is: ' +
y[0].innerHTML;
</script>
```

---

## Finding HTML Elements by Class Name

```
<p class="intro">Hello World!</p>
<p class="intro">This example demonstrates the
<b>getElementsByClassName</b> method.</p>

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

<script>
const x = document.getElementsByClassName("intro");
document.getElementById("demo").innerHTML =
'The first paragraph (index 0) with class="intro" is: ' +
x[0].innerHTML;
</script>
```

---

## The querySelector() Method

```
<p class="demo"></p>

<script>
// Access a paragraph Element
const myPara = document.querySelector(".demo");

// Change the content of the Element
myPara.innerHTML = "Hello World!";
</script>
```

---

## The querySelectorAll() Method

```
<p class="demo">One</p>
<p class="demo">Two</p>

<script>
// Access a paragraph Element
const myItems = document.querySelectorAll(".demo");

// Change the content of the Element
myItems[0].innerHTML = "First";
</script>
```

---

```
<p>Finding HTML Elements by Query Selector</p>
<p class="intro">Hello World!.</p>
<p class="intro">This example demonstrates the
<b>querySelectorAll</b> method.</p>

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

<script>
const x = document.querySelectorAll("p.intro");
document.getElementById("demo").innerHTML =
'The first paragraph (index 0) with class="intro" is: ' +
x[0].innerHTML;
</script>
```

---

## Finding HTML Elements by HTML Object Collections

```
<form id="frm1" action="/action_page.php">
  First name: <input type="text" name="fname"
value="Donald"><br>
  Last name: <input type="text" name="lname"
value="Duck"><br><br>
  <input type="submit" value="Submit">
</form>

<p>These are the values of each element in the form:</p>

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

<script>
const x = document.forms["frm1"];
let text = "";
for (let i = 0; i < x.length ;i++) {
  text += x.elements[i].value + "<br>";
}
document.getElementById("demo").innerHTML = text;
</script>
```

---

document.anchors

```
<a name="html">HTML Tutorial</a><br>
<a name="css">CSS Tutorial</a><br>
<a name="xml">XML Tutorial</a><br>

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

<script>
document.getElementById("demo").innerHTML =
"Number of anchors are: " + document.anchors.length;
</script>
```

---

document.body

```
<h2>JavaScript HTMLDOM</h2>
<p>Displaying document.body</p>

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

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

---

document.documentElement

```
<h2>JavaScript HTMLDOM</h2>
<p>Displaying document.documentElement</p>

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

<script>
document.getElementById("demo").innerHTML =
document.documentElement.innerHTML;
</script>
```

---

document.embeds

```
<h2>JavaScript HTMLDOM</h2>
<p id="demo"></p>

<script>
document.getElementById("demo").innerHTML =
"Number of embeds: " + document.embeds.length;
</script>
```

---

document.forms

```
<form action="">
First name: <input type="text" name="fname" value="Donald">
<input type="submit" value="Submit">
</form>

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

<script>
document.getElementById("demo").innerHTML =
"Number of forms: " + document.forms.length;
</script>
```

---

document.head

```
<title>Document</title>
</head>
<body>

<h2>JavaScript HTMLDOM</h2>
<p id="demo"></p>

<script>
document.getElementById("demo").innerHTML =
document.head;
</script>
```

---

document.images

```



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

<script>
document.getElementById("demo").innerHTML =
"Number of images: " + document.images.length;
</script>
```

---

document.links

```
<p>
<a href="/html/default.asp">HTML</a>
<br>
<a href="/css/default.asp">CSS</a>
</p>

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

<script>
document.getElementById("demo").innerHTML =
"Number of links: " + document.links.length;
</script>
```

---

document.scripts

```
<h2>Finding HTML Elements Using document.scripts</h2>

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

<script>
document.getElementById("demo").innerHTML =
"Number of scripts: " + document.scripts.length;
</script>
```

---

document.title

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

<script>
document.getElementById("demo").innerHTML =
"The title of this document is: " + document.title;
</script>
```

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