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# JavaScript HTML DOM Collections

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## The HTMLCollection Object

The getElementsByTagName() method returns an HTMLCollection object.

An HTMLCollection object is an array-like list (collection) of HTML elements.

The following code selects all elements in a document:

### Example

```
const myCollection = document.getElementsByTagName("p");
```

The elements in the collection can be accessed by an index number.

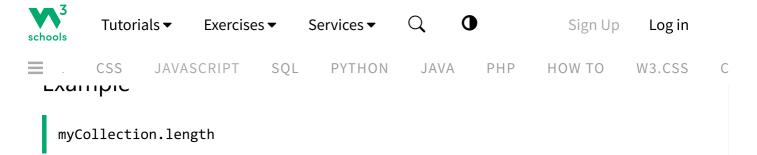
To access the second element you can write:

myCollection[1]

Try it Yourself »

Note: The index starts at 0.

## HTML HTMLCollection Length



Try it Yourself »

The **length** property is useful when you want to loop through the elements in a collection:

### Example

Change the text color of all elements:

```
const myCollection = document.getElementsByTagName("p");
for (let i = 0; i < myCollection.length; i++) {
   myCollection[i].style.color = "red";
}</pre>
```

Try it Yourself »

### An HTMLCollection is NOT an array!

An HTMLCollection may look like an array, but it is not.

You can loop through the list and refer to the elements with a number (just like an array).

However, you cannot use array methods like valueOf(), pop(), push(), or join() on an HTMLCollection.

### Exercise?



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