

Day 15



Parents & Siblings of an Element:

What Are Parent and Sibling Elements?

In an HTML page, elements are arranged in a tree structure (DOM tree). So, each element can have:

- A parent → the element it is inside
- siblings → elements that share the same parent

Example:

```
<div id="parent">
  <h2>Heading</h2>
  <p id="para1">Paragraph 1</p>
  <p id="para2">Paragraph 2</p>
</div>
```

Here:

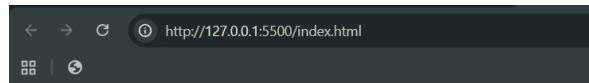
- The `<div>` is the parent of `<h2>`, `<p>`, and `<p>`.
- `<p id="para1">` and `<p id="para2">` are siblings.

To understand this, we will use the simple example:

The screenshot shows a code editor interface with two tabs: "index.html" and "script.js". The "index.html" tab is active and displays the following code:

```
index.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  | <title>Parents and Siblings Example</title>
5  </head>
6  <body>
7  |
8  <div id="parent">
9    <h2>Heading</h2>
10   <p id="para1">This is paragraph 1</p>
11   <p id="para2">This is paragraph 2</p>
12 </div>
13 </body>
14 </html>
```

Output:



Now, accessing via the console: Accessing the Parent Element

A screenshot of the Chrome DevTools Console tab. The code executed is:

```
> let para = document.getElementById("para1");
  console.log(para.parentElement);
  ↵ <div id="parent">...</div>
< undefined
```

The output shows the parent element of the paragraph with ID "para1" is a div with ID "parent".

Also, Accessing Sibling Elements:

A screenshot of the Chrome DevTools Console tab. The code executed is:

```
> let para1 = document.getElementById("para1");
  console.log(para1.nextElementSibling);
  ↵ <p id="para2">This is paragraph 2</p>
< undefined
```

The output shows the next sibling element of the paragraph with ID "para1" is a paragraph with ID "para2".

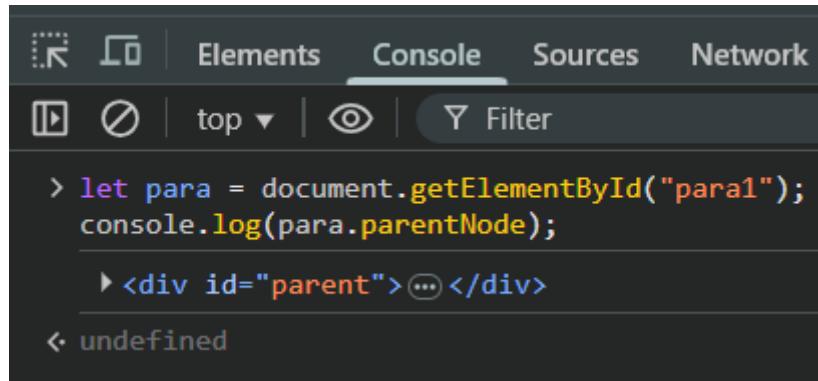
Also,

A screenshot of the Chrome DevTools Console tab. The code executed is:

```
> let para2 = document.getElementById("para2");
  console.log(para2.previousElementSibling);
  ↵ <p id="para1">This is paragraph 1</p>
< undefined
```

The output shows the previous sibling element of the paragraph with ID "para2" is a paragraph with ID "para1".

Also,



The screenshot shows the Chrome DevTools interface with the 'Console' tab selected. The console window displays the following code and its output:

```
> let para = document.getElementById("para1");
  console.log(para.parentNode);
  > <div id="parent">...</div>
  <undefined
```

Summary

Property	Description	Example
parentElement	Finds the parent HTML element	child.parentElement
nextElementSibling	Finds the next element in the same parent	element.nextElementSibling
previousElementSibling	Finds the previous element in the same parent	element.previousElementSibling

In short:

- Use parentElement → to go upward
- Use nextElementSibling → to go right
- Use previousElementSibling → to go left

--The End--