Day 16

Element only Navigation:

What is Element-only Navigation?

In the DOM (Document Object Model), every part of an HTML page — including tags, text, and comments — is treated as a node. But sometimes, we only want to navigate between element nodes (like , <p>, <h1>) and ignore text nodes (like spaces or line breaks).

This is called Element-only Navigation.

Example HTML

```
<div id="container">
  <h2>Heading</h2>
  <p>Paragraph</p>
</div>
```

Here, inside there are:

- Two element nodes → <h2>, <p>
- Plus some text nodes (spaces and line breaks)

If you use general node navigation (firstChild, nextSibling), those text nodes will also be counted — which can cause confusion.

Why Use Element-only Navigation?

To skip text and comment nodes and only deal with real HTML elements. That's why we use the Element-only properties.

Element-only Navigation Properties

Property	Description	Example
firstElementChild	First child element	div.firstElementChild
lastElementChild	Last child element	div.lastElementChild
nextElementSibling	Next element in same parent	h2.nextElementSibling
previousElementSibling	Previous element in same parent	p.previousElementSibling

Property	Description	Example
children	All child elements	div.children

Difference Between “Node” and “Element”

Type	Includes	Example Property
Node Navigation	Elements + Text + Comments	firstChild, nextSibling
Element-only Navigation	Only HTML elements	firstElementChild, nextElementSibling

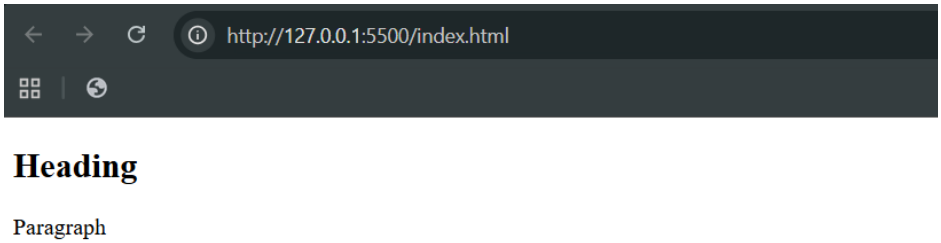
To understand this, we shall start from the basics:

Welcome index.html

index.html > ...

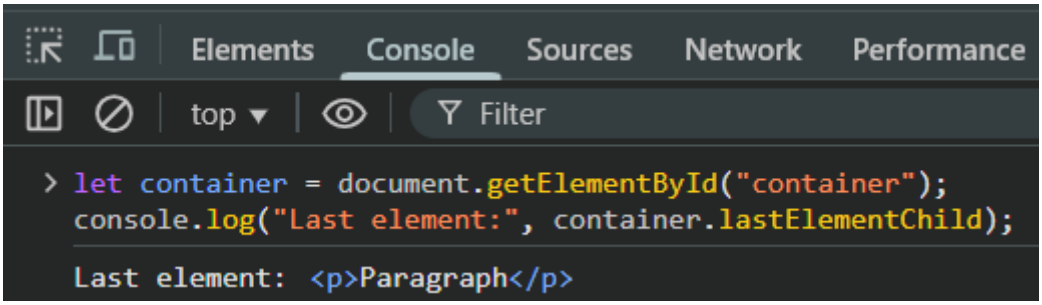
```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Element-only Navigation Example</title>
5  </head>
6  <body>
7      <div id="container">
8          <h2>Heading</h2>
9          <p>Paragraph</p>
10     </div>
11 </body>
12 </html>
```

Output:

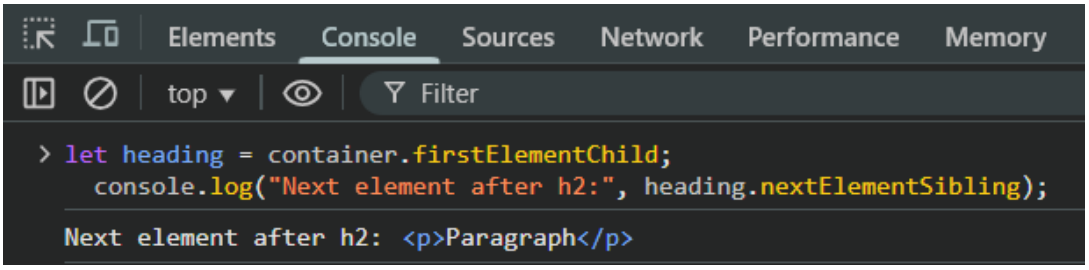


Console:

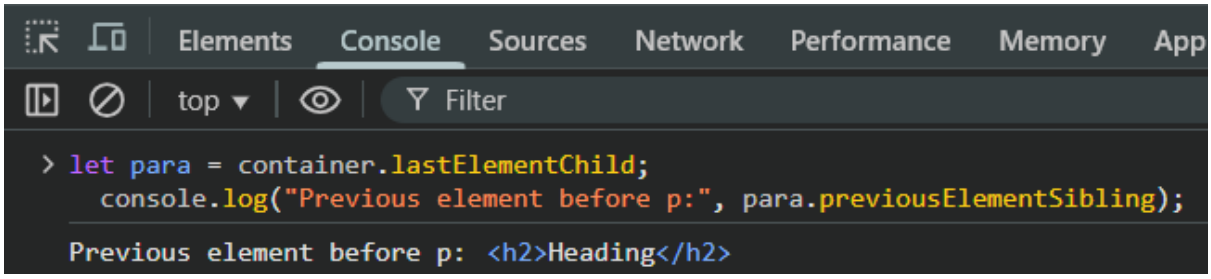
Also,



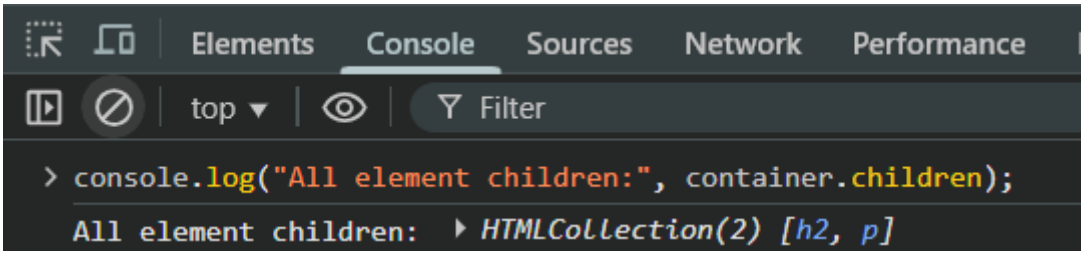
Also,



Also,



Also,



--The End--