

JavaScript insertAdjacentHTML() Method

Summary: in this tutorial, you'll learn how to use the <code>insertAdjacentHTML()</code> method to insert HTML into the document.

Introduction to JavaScript insertAdjacentHTML() method

The insertAdjacentHTML() is a method of the Element interface so that you can invoke it from any element.

The insertAdjacentHTML() method parses a piece of HTML text and inserts the resulting nodes into the DOM tree at a specified position:

```
element.insertAdjacentHTML(positionName, text);
```

The insertAdjacentHTML() method has two parameters:

1) position

The positionName is a string that represents the position relative to the element. The positionName accepts one of the following four values:

- 'beforebegin' : before the element
- 'afterbegin': before its first child of the element.
- 'beforeend': after the last child of the element
- 'afterend' : after the element

Note that the 'beforebegin' and 'afterend' are only relevant if the element is in the DOM tree and has a parent element.

The insertAdjacentHTML() method has no return value, or undefined by default.

The following visualization illustrates the position name:

2) text

The text parameter is a string that the insertAdjacentHTML() method parses as HTML or XML. It cannot be Node objects.

Security consideration

Like the innerHTML, if you use the user input to pass into the insertAdjacentHTML() method, you should always escape it to avoid security risks.

JavaScript insertAdjacentHTML() method example

The following JavaScript example uses the insertAdjacentHTML() method to insert various elements into the page with the positions relative to the ul element:

```
<!DOCTYPE html>
<html lang="en">
<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>insertAdjacentHTML() Demo</title>
</head>
<body>

cli>CSS
```

Output

Web Technology

- HTML
- CSS
- JavaScript

For frontend developers

How it works:

- First, select the ul element by its id list using the querySelector() method.
- Next, use the insertAdjacentHTML() method to insert a heading 2 element before the ul element. The position is 'beforebegin'.
- Then, use the insertAdjacentHTML() method to insert a new list item element before the first child of the ul element. The position is 'afterbegin'.
- After that, use the insertAdjacentHTML() method to insert a new list item element after
 the last child of the ul element with the position 'beforeend'.
- Finally, insert use the insertAdjacentHTML() method to insert a new paragraph element
 after the ul element with the position 'afterend'.

Summary

- Use the insertAdjacentHTML() method to insert a text as Nodes into the DOM tree at a specified position.
- Always escape the user input text that you pass into the insertAdjacentHTML() method to avoid security risks.

Quiz