

12.5 String & Maths Functions + DOM Navigation

Table of Content

1. String Methods
2. Maths Methods
3. DOM Navigation

String Methods

You can find all the useful string methods here:

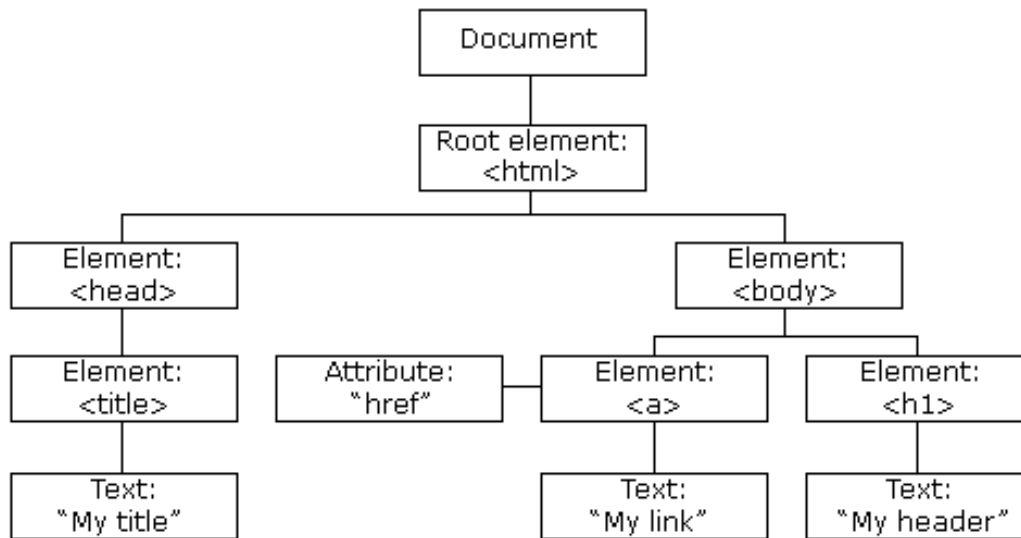
<https://www.programiz.com/javascript/library/string>

Maths Methods

You can find all the useful string methods here:

<https://www.programiz.com/javascript/library/math>

DOM Navigation



The nodes in the node tree have a hierarchical relationship to each other.

The terms parent, child, and sibling are used to describe the relationships.

- In a node tree, the top node is called the root (or root node)
- Every node has exactly one parent, except the root (which has no parent)
- A node can have a number of children
- Siblings (brothers or sisters) are nodes with the same parent

▼ Navigating between Nodes

You can use the following node properties to navigate between nodes with JavaScript:

- `parentNode`
- `childNodes[nodenumber]`
- `firstChild`
- `lastChild`
- `nextSibling`
- `previousSibling`

▼ Node Values

```
<title id="demo">DOM Tutorial</title>
```

The element node `<title>` (in the example above) does **not** contain text.

It contains a **text node** with the value "DOM Tutorial".

The value of the text node can be accessed by the node's `innerHTML` property:

```
myTitle = document.getElementById("demo").innerHTML;
```

Accessing the `innerHTML` property is the same as accessing the `nodeValue` of the first child:

```
myTitle = document.getElementById("demo").firstChild.nodeValue;
```

▼ Document Body and Element

There are two special properties that allow access to the full document:

- `document.body` - The body of the document (returns the `<body>` element)
- `document.documentElement` - The full document (returns the `<html>` element)