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17. document.title: It is used to set or get the title of the document.

```
/*
1
 2
   DOM (Document Object Model): It is a representation of an HTML document. It treats HTML as a tree and its elements as nodes.
 4
   1. document: It is a global object that represents the HTML document. It has various properties and methods that can be used
   to access and manipulate the document.
 6
7
    document.getElementById(): It is used to get an element by its id.
8
9
   3. document.getElementsByClassName(): It is used to get all elements with a specific class name.
10
   4. document.getElementsByTagName(): It is used to get all elements with a specific tag name.
11
12
13
   5. document.querySelector(): It is used to get the first element that matches a specific CSS selector.
14
15
    6. document.querySelectorAll(): It is used to get all elements that match a specific CSS selector.
16
17
   7. document.createElement(): It is used to create new HTML elements.
18
   document.createTextNode(): It is used to create new text nodes.
19
20
21
   9. document.appendChild(): It is used to append a child element to a parent element.
22
23
   10. document.removeChild(): It is used to remove a child element from a parent element.
24
25
   11. document.addEventListener(): It is used to add an event listener to an element.
26
27
   12. document.removeEventListener(): It is used to remove an event listener from an element.
28
   13. document.setAttribute(): It is used to set an attribute on an element.
30
                                                                                                                                  0
31
   14. document.removeAttribute(): It is used to remove an attribute from an element.
32
33
   15. document.getAttribute(): It is used to get the value of an attribute on an element.
34
35
   16. document.style: It is used to set or get the style of an element.
36
```

localhost:52526/6e70e71f-c3ee-4ad5-8335-6cc559f75c2a/

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```
38
39
    18. document.URL: It is used to get the URL of the current document.
40
    19. document.firstChild: It is used to get the first child element of an element.
41
42
    20. document.lastChild: It is used to get the last child element of an element.
43
44
    21. document.parentNode: It is used to get the parent element of an element.
45
46
47
    22. document.childNodes: It is used to get all child elements of an element.
48
    23. document.innerHTML: It is used to set or get the inner HTML of an element.
49
50
51
    24. document.textContent: It is used to set or get the text content of an element.
52
    25. document.location: It is used to get the location of the current document.
53
54
55
    22. document.firstElementChild: It is used to get the first child element of an element.
56
57
    23. document.lastElementChild: It is used to get the last child element of an element.
58
    24. document.previousElementSibling: It is used to get the previous sibling element of an element.
59
60
    25. document.nextElementSibling: It is used to get the next sibling element of an element.
61
62
    */
63
64
    // 1. document
66
    console.log(document); // Logs entire HTML document
67
68
    // 2. getElementById
                                                                                                                                   0
69
70
    let heading = document.getElementById("heading");
71
   heading.style.color = "red";
73
74
    // 3. getElementsByClassName
75
```

```
let classList = document.getElementsByClassName("ordered-list");
     console.log(classList);
77
78
79
     // 4. getElementsByTagName
80
     let allParas = document.getElementsByTagName("p");
81
    console.log(allParas);
83
    // 5. querySelector
85
    let firstListItem = document.querySelector("li");
     console.log(firstListItem);
87
88
     // 6. querySelectorAll
89
90
    let allListItems = document.querySelectorAll("li");
91
    console.log(allListItems);
93
     // 7. createElement
94
95
    let newDiv = document.createElement("div");
97
98
     // 8. createTextNode
99
     let textNode = document.createTextNode("Created using createTextNode");
100
101
     // 9. appendChild
102
103
    newDiv.appendChild(textNode);
104
     document.body.appendChild(newDiv);
105
106
107
     // 10. removeChild
108
    let removeTarget = document.createElement("p");
109
    removeTarget.textContent = "This will be removed";
110
     document.body.appendChild(removeTarget);
     document.body.removeChild(removeTarget);
112
113
```

```
114
    // 11. addEventListener
115
    newDiv.addEventListener("click", () => {
116
117
118
       alert("Div Clicked!");
119
120
    });
121
    // 12. removeEventListener (not visible unless used with named function)
122
123
124
     function handleClick() {
125
126
       console.log("Clicked!");
127
128
    newDiv.addEventListener("dblclick", handleClick);
129
130
     newDiv.removeEventListener("dblclick", handleClick);
131
132
133
     // 13. setAttribute
134
     newDiv.setAttribute("id", "newly-created-div");
135
136
137
     // 14. removeAttribute
138
     newDiv.removeAttribute("id");
139
140
    // 15. getAttribute
141
142
    let hasClass = heading.getAttribute("id");
143
     console.log("Heading ID:", hasClass);
144
145
     // 16. style
146
147
148
     heading.style.backgroundColor = "yellow";
149
150
     // 17. title
151
```

```
153
     // 18. URL
154
155
156
     console.log("Page URL:", document.URL);
157
    // 19. firstChild
158
159
     console.log("First Child of Body:", document.body.firstChild);
160
161
    // 20. lastChild
162
163
     console.log("Last Child of Body:", document.body.lastChild);
164
165
     // 21. parentNode
166
167
     console.log("Parent of heading:", heading.parentNode);
168
169
     // 22. childNodes
170
171
     console.log("Child nodes of body:", document.body.childNodes);
172
173
174
     // 23. innerHTML
175
    newDiv.innerHTML = "<b>Replaced with innerHTML</b>";
176
177
     // 24. textContent
178
179
180
     heading.textContent = "Updated Heading with textContent";
181
182
     // 25. location
183
     console.log("Location object:", document.location);
184
185
    // 26. firstElementChild
186
187
     console.log("First Element Child of Body:", document.body.firstElementChild);
188
189
```

7/29/25, 8:10 PM dom.js // 27. lastElementChild 190 191 192 console.log("Last Element Child of Body:", document.body.lastElementChild); 193 194 // 28. previousElementSibling 195 let para = document.querySelector("p"); 196 console.log("Previous Sibling of Paragraph:", para.previousElementSibling); 197 198 // 29. nextElementSibling 199 200 console.log("Next Sibling of Paragraph:", para.nextElementSibling); 201 202 203 // 30. Bonus: Modify title again for clarity

0

document.title = "DOM Methods Tested";

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