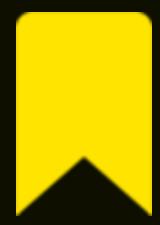




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5 Super Useful JS CheatSheet



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```
1 [1, 2, 3].length; // 3
2 [1, 2, 3].push(4); // [1, 2, 3, 4] *
3 [1, 2, 3].unshift(0); // [0, 1, 2, 3] *
4 [1, 2, 3].pop(); // [1, 2]
5 [1, 2, 3].shift(); // [2, 3] *
6 [1, 2, 3].at(2); // 3
7 [1, 2, 3].indexOf(3); // 2
8 [1, 2, 3].includes(3); // true
9 [1, 2, 3].map((num) => num * 2); // [2, 4, 6]
10 [1, 2, 3].filter((num) => num > 1); // [2, 3]
11 [1, 2, 3].every((num) => num > 0); // true
12 [1, 2, 3].some((num) => num > 2); // true
13 [1, 2, 3].fill(0); // [0, 0, 0]
14 [1, 2, 3].reduce((acc, num) => acc + num, 0); // 6
15 [1, 2, 3].concat([4, 5]); // [1, 2, 3, 4, 5]
16 [1, 2, 3].reverse(); // [3, 2, 1]
17 [3, 2, 1].sort(); // [1, 2, 3]
18 [1, 2, 3].join("-"); // "1-2-3"
19 [1, 2, 3].flat(); // [1, 2, 3]
20 [1, 2, 3].find((num) => num === 1); // 1
21 [1, 2, 3].findIndex((num) => num === 2); // 1
22 [1, 2, 3].toString(); // "1,2,3"
23 [1, 2, 3].toLocaleString(); // "1,2,3"
24 [1, 2, 3].slice(1, 2); // [2]
25 [1, 2, 3].splice(1, 1, "a"); // [1, 'a', 3]
26 Array.isArray([1, 2, 3]); // true
27 Array.from("123"); // ['1', '2', '3']
```



2.Array Methods



```
1 "JavaScript".length; //? 10
2 "JavaScript"[2]; //? 'v'
3 "JavaScript".charAt(2); //? 'v'
4 "JavaScript".charCodeAt(2); //? 118
5 "JavaScript".indexOf("S"); //? 4
6 "JavaScript".toLowerCase(); //? 'javascript'
7 "JavaScript".toUpperCase(); //? 'JAVASCRIPT'
8 "JavaScript".slice(2, 5); //? 'vaS'
9 "JavaScript".substring(2, 5); //? 'vaS'
10 "JavaScript".substr(2, 2); //? 'va'
11 "JavaScript".concat(" Dev"); //? 'JavaScript Dev'
12 "JavaScript Dev".split(" "); //? ['JavaScript', 'Dev']
13 "JavaScript Dev".includes("Dev"); //? true
14 "Java Dev".replace("Dev", "JS"); //? 'Java JS'
15 "Java Dev".replaceAll("Dev", "JS"); //? 'Java JS'
16 " JavaScript Dev ".trim(); //? 'JavaScript Dev'
17 " JavaScript Dev ".trimStart(); //? 'JavaScript Dev '
18 " JavaScript Dev ".trimEnd(); //? ' JavaScript Dev '
19 "Dev".padStart(10, "*"); //? '*****Dev'
20 "Dev".padEnd(10, "*"); //? 'Dev*****'
21 "JavaScript Dev".startsWith("Java"); //? true
22 "JavaScript Dev".endsWith("Dev"); //? true
23 "JavaScript Dev".repeat(3); //? 'JavaScript DevJavaScript DevJavaScript Dev'
24 "JavaScript Dev".indexOf("JavaScript"); //? 0
25 "JavaScript Dev".lastIndexOf("Dev"); //? 11
26 "JavaScript Dev".search("Dev"); //? 11
27 "JavaScript Dev".includes("Dev"); //? true
```



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3.Date Methods

Initialization



```
1 const date = new Date();
2 //? 2023-04-25T19:27:35.363Z
3 new Date(1682452894553);
4 //? Sun Apr 25 2023 00:00:00 GMT+0200
5 new Date("2023-04-25");
6 //? Sun Apr 25 2023 00:00:00 GMT+0200
7 new Date("2023-04-25T01:10:00");
8 //? Sun Apr 25 2023 01:10:00 GMT+0200
9 new Date(2023, 3, 25, 1, 10, 0, 0);
10 //? Tue Apr 25 2023 01:10:00 GMT+0200
11 // year, month, day, hour, min, sec, misc
```



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Conversions



```
1 date.toString();
2 //? Tue Apr 25 2023 21:27:35 GMT+0200 (Central European Summer Time)
3 date.toDateString();
4 //? Tue Apr 25 2023
5 date.toTimeString();
6 //? 21:27:35 GMT+0200 (Central European Summer Time)
7 date.toISOString();
8 //? 2023-04-25T19:27:35.363Z
9 date.toLocaleString();
10 //? 4/25/2023, 9:27:35 PM
11 date.toLocaleDateString();
12 //? 4/25/2023
13 date.toLocaleTimeString();
14 //? 9:27:35 PM
15 date.getTime();
16 //? 1682452895363
```



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Get Methods



```
1 date.getFullYear();           //? 2023
2 date.getMonth();             //? 3
3 date.getDate();              //? 25
4 date.getDay();               //? 2
5 date.getHours();              //? 21
6 date.getMinutes();            //? 27
7 date.getSeconds();            //? 35
8 date.getMilliseconds();       //? 363
9 date.getTime();                //? 1682452895363
10 date.getTimezoneOffset();     //? -120
```

Set Methods



```
1 date.setFullYear(2023);      //? set year
2 date.setMonth(11);             //? set month
3 date.setDate(1);              //? set date
4 date.setHours(10);             //? set hours
5 date.setMinutes(20);            //? set minutes
6 date.setSeconds(20);            //? set seconds
7 date.setMilliseconds(20);        //? set milliseconds
8 date.setTime(1680153156131);    //? set time (milliseconds since Jan 1, 1970)
```



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4.DOM Methods

Accessing Elements



```
1 document.getElementById("id"); //? find element by its id
2 document.getElementsByClassName("class"); //? find elements by class
3 document.getElementsByTagName("tag"); //? find elements by tag name
4 document.querySelector("selector"); //? find first element matching selector
5 document.querySelectorAll("selector"); //? find all elements matching selector
```

Creating/Appending Elements



```
1 document.createElement("name"); //? create element node
2 document.createTextNode("text"); //? create text node
3 elem.appendChild(child); //? append child to element
4 elem.removeChild(child); //? remove child from element
5 elem.replaceChild(newChild, oldChild); //? replace child with new child
```

Modifying Elements



```
1 elem.innerHTML = "<h2>outerHTML</h2>"; //? set HTML
2 elem.innerText = "inner text"; //? set inner text
3 elem.textContent = "text content"; //? set text content
4 elem.style.color = "blue"; //? set style
5 elem.outerHTML = "<p>Learn with <strong>Athreos</strong></p>"; //? replace HTML
```



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Accessing Parent, Children, Siblings



```
1 elem.parentElement; //? access parent element  
2 elem.children; //? access element children  
3 elem.firstElementChild; //? access first child  
4 elem.lastElementChild; //? access last child  
5 elem.nextElementSibling; //? access next sibling  
6 elem.previousElementSibling; //? access previous sibling
```

Modifying Attributes



```
1 elem.getAttribute("attr"); //? get attribute value  
2 elem.setAttribute("attr", "value"); //? set attribute value  
3 elem.removeAttribute("attr"); //? remove attribute
```

Modifying Element Classes



```
1 elem.classList.add("my-class"); //? add class  
2 elem.classList.remove("my-class"); //? remove class  
3 elem.classList.toggle("my-class"); //? toggle class  
4 elem.classList.contains("my-class"); //? check for class
```



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5.DOM Events

Event Listeners



```
1 document.addEventListener('click', (event) => {  
2     console.log('Click Event', event);  
3});  
4  
5 // unregister event listener  
6 document.removeEventListener('click', (event) => {  
7     console.log('Unregistered Event', event);  
8});
```

Keyboard Events

key is pressed down

keydown

keyup key is released

Form Events

blur

element has lost focus

change

use modified value of <input>, <select>
or <textarea>

focus

element has received focus

select

text has been selected in an element

submit

fires on <form> when submitted

reset

fires on form is reset



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Mouse Events

click left mouse button click

dblclick left mouse button double click

mousedown pointing device button is pressed when inside element

mouseup mouse button released over an element

mouseover mouse button enter an element

mousemove mouse pointer moves over on elememt

Window Events

abort resource was not fully loaded, but not due an error

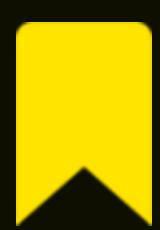
error error event occurs if resource failed to load or can't be used

load document has finished loading

unload document has being unloaded

scroll document is scrolled

resize window is resized



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