

# JavaScript Strings

```
1 // console.log(`${Date.now()}: Built-in Function Example`);
2
3 const fullName = "  Aniracha  Mingkhwan  ";
4 const cleanedName = fullName.trim();
5 console.log(cleanedName); // Output: "Aniracha  Mingkhwan"
6
7 const nameParts = cleanedName.split(" ");
8 console.log(nameParts);
9
10 const finalParts = nameParts.filter(Boolean);
11 console.log(finalParts);
12
13 const firstName = finalParts[0];
14 console.log(firstName); // Output: Aniracha
15
16 const lastName = finalParts[1];
17 console.log(lastName); // Output: Mingkhwan
18 console.log(firstName.length); // Output: 8
19
20 let charCodeAtIndex2 = firstName.charCodeAt(2); // Unicode of 'i' is 105
21 console.log(charCodeAtIndex2); // Output: 105
22
23 let charPointAtIndex2 = firstName.codePointAt(2); // UTF-16 of 'i' is 105
24 console.log(charPointAtIndex2); // Output: 105
25
26 let text = "Apple, Banana, Kiwi";
27 let part = text.slice(7, 13);
28 console.log(part); // Output: Banana
29
30 console.log(part.toUpperCase()); // Output: BANANA
31 console.log(part.toLowerCase()); // Output: banana
32
33 let notTrimmed = "  Hello World!  ";
34 console.log(notTrimmed.trimStart()); // Output: "Hello World!  "
35 console.log(notTrimmed.trimEnd()); // Output: "  Hello World!"
36
37 let num = "5";
38 let paddedStart = num.padStart(4, "0");
39 console.log(paddedStart); // Output: "0005"
40
41 let paddedEnd = num.padEnd(4, "0");
42 console.log(paddedEnd); // Output: "5000"
43
44 let notRepeated = "Ha";
45 let repeated = notRepeated.repeat(3);
46 console.log(repeated); // Output: HaHaHa
47
48 let textNotReplaced = "Hello World, World!, World!";
49 let newText = textNotReplaced.replaceAll("World", "Universe");
50 console.log(newText); // Output: Hello Universe, Universe!, Universe!
51
52 let testFoundText = "Please locate where 'locate' occurs!";
53 let indexTestFoundText = testFoundText.indexOf("locate");
54 console.log(indexTestFoundText); // Output: 7
55
56 let indexTestFoundTextEnd = testFoundText.lastIndexOf("locate");
57 console.log(indexTestFoundTextEnd); // Output: 21
58
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59 let indexSkipFoundText = testFoundText.indexOf("locate", 10);
60 console.log(indexSkipFoundText); // Output: 21
61
62 let searchText = "Please locate where 'locate' occurs!";
63 console.log(searchText.search(/locate/)); // Output: 7
64
65 let matchText = "The rain in SPAIN stays mainly in the plain";
66 console.log(matchText.match(/ain/g)); // Output: [ 'ain', 'ain', 'ain' ]
67 console.log(matchText.match(/ain/gi)); // Output: [ 'ain', 'AIN', 'ain', 'ain' ]
68
69 for (const match of matchText.matchAll(/ain/gi)) {
70     console.log(`Found ${match[0]} at index ${match.index}`);
71 }
72 // Output:
73 // Found ain at index 5
74 // Found AIN at index 14
75 // Found ain at index 25
76 // Found ain at index 40
77
78 let includesText = "Hello World, welcome to the universe.";
79 console.log(includesText.includes("World")); // Output: true
80 console.log(includesText.includes("world")); // Output: false
81
82 let startsWithText = "Hello World, welcome to the universe.";
83 console.log(startsWithText.startsWith("Hello")); // Output: true
84
85 let endsWithText = "Hello World, welcome to the universe.";
86 console.log(endsWithText.endsWith("universe.")); // Output: true
```