

White Space

in JavaScript

space (' ')

tab ('\t')

newline ('\n')

carriage return ('\r')

and form feed ('\f')



What are the whitespace characters?

Whitespace characters refer to **non-printable characters** that create space or gaps in the visual layout of text.

Common whitespace characters include space (' '), tab ('\t'), newline ('\n'), carriage return ('\r'), and form feed ('\f').

Heading

Sub-Headline

Nunc faucibus a pellentesque sit amet
porttitor eget. Ullula ullamcorper
malesuada proin libero nunc consequat.
Feugiat nisi pretium fusce id velit ut tortor
pretium viverra. Diam quis enim lobortis
scelerisque fermentum dui. Diam donec
adipiscing tristique risus nec feugiat.
Ornare aenean euismod elementum nisi
quis eleifend quam adipiscing.
Quis commodo odio aenean sed.



no white space

Heading

Sub-Headline

Nunc faucibus a pellentesque sit amet
porttitor eget. Ullula ullamcorper malesuada
proin libero nunc consequat.

Feugiat nisi pretium fusce id velit ut tortor
pretium viverra. Diam quis enim lobortis
scelerisque fermentum dui.

Diam donec adipiscing tristique risus nec
feugiat. Ornare aenean euismod elementum
nisi quis eleifend quam adipiscing. Quis
commodo odio aenean sed.




has white space




Swipe →

Different ways to trim whitespace from a string

Using `String.prototype.trim()` method




```
let str = "  Hello, World!  ";  
let trimmedStr = str.trim();  
console.log(trimmedStr);
```




Output:
"Hello, World!"

Using regular expressions




```
let str = "  Hello, World!  ";  
let trimmedStr = str.replace(/^\\s+|\\s+$/g, '');  
console.log(trimmedStr);
```




Swipe →

Remove whitespaces from the **start and end** of a string

Using **trim()** method



```
let str = "  Hello, World!  ";  
let trimmedStr = str.trim();  
console.log(trimmedStr);
```



Output:
"Hello, World!"



Swipe →

Remove whitespaces from **only one side** of a string

Using **trimStart()** or **trimEnd()** method

```
let str = "  Hello, World!  ";  
let trimmedStartStr = str.trimStart();  
let trimmedEndStr = str.trimEnd();  
console.log(trimmedStartStr);  
console.log(trimmedEndStr);
```

Output:

" Hello, World!"

Output:

"Hello, World! "



Swipe →

Eliminate whitespaces from **any part** of a string

Using **String.prototype.replace()** with a regular expression



```
let str = "  Hello,  World!  ";  
let trimmedStr = str.replace(/\s+/g, '');  
console.log(trimmedStr);
```




Output:
"Hello, World!"




Swipe →

Practical examples of using `trim()` methods

Cleaning up user input




```
let userInput = "  user123  ";  
let cleanedInput = userInput.trim();  
console.log(cleanedInput);
```




Output:
"user123"

Comparing trimmed strings



```
let input1 = "  Hello, World!  ";  
let input2 = "Hello, World!";  
console.log(input1.trim() === input2.trim());
```



Output:
true

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