White Space

in JavaScript

space (' ')

tab ('\t')

newline ('\n')

carriage return ('\r')

and form feed ('\f')

JS

JS

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. Ligula ullamcorper malesuada proin libero nunc consequat. Feugiat nisl 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

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Feugiat nisl 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

JS

Different ways to trim whitespace from a string

Using `String.prototype.trim()` method

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

Output:
"Hello, World!"

Using regular expressions

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

JS

Remove whitespaces from the start and end of a string

Using `trim()` method

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

Output:
"Hello, World!"

JS

Remove whitespaces from only one side of a string

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

```javascript
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 →

JS

Eliminate whitespaces from any part of a string

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

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

Output:
"Hello, World!"

JS

Practical examples of using `trim()` methods

Cleaning up user input

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

Output:
"user123"

Comparing trimmed strings

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

Output:
true

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