JavaScript Module Export

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The Export Keyword

The `export` keyword is used to export functions, objects, or primitive values from a module file so they can be used in other files with the `import` keyword.

There are two types of exports: **Named Exports** and **Default Exports**.

Named Exports

Named exports allow you to export multiple items from a module. The import must use the exact same name:

math.js - Module file with named exports:

```
export const square = (x) => x * x;
export const cube = (x) => x * x * x;
export const double = (x) => x * 2;
```

Main HTML file:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Module Export</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Named Exports</h4>
<p id="demo"></p>

<script type="module">
import { square, cube, double } from './math.js';

document.getElementById("demo").innerHTML =
  "square(5) = " + square(5) + "<br>" +
  "cube(3) = " + cube(3) + "<br>" +
  "double(10) = " + double(10);
</script>

</body>
</html>
```

Example 1

Result View Example

Default Exports

A module can have one default export. Default exports don't need curly braces when importing, and can be imported with any name:

message.js - Module file with default export:

```
const greet = (name) => "Hello, " + name + "!";
export default greet;
```

Main HTML file:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Module Export</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Default Exports</h4>
<p id="demo"></p>

<script type="module">
import myGreeting from './message.js';

document.getElementById("demo").innerHTML =
  myGreeting("John") + "<br>" +
  myGreeting("Jane");
</script>

</body>
</html>
```

Example 2

Result View Example

Combining Default + Named

You can combine default and named exports in the same module:

toolbox.js - Module file with both default and named exports:

```
export default function(a, b) {
  return a + b;
}

export const subtract = (a, b) => a - b;
export const multiply = (a, b) => a * b;
```

Main HTML file:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Module Export</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Combining Default + Named</h4>
<p id="demo"></p>

<script type="module">
import myAdd, { subtract, multiply } from './toolbox.js';

document.getElementById("demo").innerHTML =
  "Default (add): 10 + 5 = " + myAdd(10, 5) + "<br>" +
  "Named (subtract): 10 - 5 = " + subtract(10, 5) + "<br>" +
  "Named (multiply): 10 * 5 = " + multiply(10, 5);
</script>

</body>
</html>
```

Example 3

Result View Example

Document

Document in project

You can Download PDF file.

Reference

- W3Schools JavaScript Module Export