🧵 Modules

✅ What are modules?

Modules let you **split your code into different files** to keep things clean and organized. You can **export** and **import** things like variables or functions between files.

🔧 Steps to Use Modules in JavaScript with HTML

💡 Example: One file exports a function, another imports it and runs it

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📁 Folder Structure

```
my-project/
├── index.html
├── main.js
└── greet.js
```

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1. ✍️ Create `greet.js` (your module file)

This file will **export** a function.

```
// greet.js
export function sayHello(name) {
  console.log(`Hello, ${name}!`);
}
```

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2. ✍️ Create `main.js` (this will **import** the function)

```
// main.js
import { sayHello } from './greet.js';

sayHello('World');
```

3. ✍️ Create `index.html` and link the JS file using `type="module"`

```html
<!-- index.html →
<!DOCTYPE html>
<html>
<head>
  <title>JS Modules Example</title>
</head>
<body>
  <h1>Check the console 👀</h1>
  <script type="module" src="main.js"></script>
</body>
</html>
```

4. ▶️ Run it

Use live server to run html file

✅ Done!

You should see:

```
Hello, World!
```

in the browser **console** (Right-click → Inspect → Console tab).