

g.Functional > \_272\_ExportingAndImportingModules > index.html

closures02.html

shoppingcart.js x

```
1 // importing module:
2 import './shoppingCart.js';
3
4 console.log('Importing module');
5
```

index.html x

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7   <script defer type="module" src="shoppingcart.js"></script>
8   <title>Modern JavaScript Development: Modules and Tooling</title>
9   <style>
10     body {
11       height: 100vh;
12       display: flex;
13       align-items: center;
14       background: linear-gradient(to top left, #28b48f, #7dd561);
15     }
16     h1 {
17       font-family: sans-serif;
18       font-size: 50px;
19       line-height: 1.3;
20       width: 100%;
21       padding: 30px;
22       text-align: center;
23       color: white;
24     }
25   </style>
26 </head>
27 <body>
```

html > head > script

127.0.0.1:42000/...  
Elements Console  
No Issues  
Filter

Live reload enabled.

Importing module

Importing module

```
File Edit View Navigate Code Refactor Run Tools Git Window Help
modules_Tooling_Functional > _272_ExportingAndImportingModules > shoppingCart.js
index.html x script.js x
1 // importing module
2 import {addToCart} from './shoppingCart.js';
3
4 console.log('Importing Module');
5 addToCart(product 'Bread', quantity 5);
6
7
8 // Exporting module
9 console.log('Exporting Module');
10
11 const shippingCost = 10;
12 const cart = [];
13
14 export const addToCart = function (product, quantity) {
15   cart.push({product, quantity});
16   console.log(`${quantity} ${product} added to cart`);
17   console.log('Cart is:', cart);
18 }
19
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```

Modern JavaScript Development

127.0.0.1:3000/level's%20first%20library/17\_Multibyte\_Tooling\_Tools%20Tool/272\_ExportingAndImportingModules

Console

Default levels | No Issues

Live reload enabled. (index):57

Uncaught SyntaxError: Cannot use import statement outside a module VM310 script.js:2

Exporting Module shoppingCart.js:2

Importing Module script.js:4

5 Bread added to cart shoppingCart.js:9

Cart is: shoppingCart.js:10

[-]

0: {product: 'Bread', quantity: 5}

length: 1

[[Prototype]]: Array(0)



```
File Edit View Navigate Code Refactor Run Tools Git Window Help
ImpatientJSPlaylist - shoppingCart.js

7_Modules_Tooling_Functional > _272_ExportingAndImportingModules > shoppingCart.js
index.html x script.js x shoppingCart.js x

1 // importing module
2 import {addToCart, totalPrice, totalQuantity} from './shoppingCart.js';
3
4 console.log('Importing Module');
5 addToCart({product: 'Bread', quantity: 5});
6
7 console.log(totalPrice, totalQuantity);
8
9

1 // Exporting module
2 console.log('Exporting Module');
3
4 const shippingCost = 10;
5 const cart = [];
6
7 const totalPrice = 237;
8 const totalQuantity = 40;
9
10 // named export of variables
11 export {totalPrice, totalQuantity};
12
13 // named exports have to be top-level code
14 export const addToCart = function (product, quantity) {
15   cart.push({product, quantity});
16   console.log(`${quantity} ${product} added to cart`);
17   console.log('Cart is:', cart);
18 }
19
20
21
22
```

127.0.0.1:5501/ImpatientJSPlaylist/17\_Modules\_Tooling\_Functional/272\_ExportingAndImportingModules

Console

top Filter

Default levels No Issues

Live reload enabled. (index):57

Uncaught SyntaxError: Cannot use import statement outside a module VM712 script.js:2

Exporting Module shoppingCart.js:2

Importing Module script.js:4

5 Bread added to cart shoppingCart.js:16

Cart is: > {{-}} shoppingCart.js:17

237 40 script.js:7

Terminal: Local x Local (2) x



```
1 // importing module
2 //import {addToCart, totalPrice as tp, totalQuantity} from './shoppingCart.js';
3
4
5 // IMPORT all exports from modules, named like a class:
6 import * as ShoppingCart from './shoppingCart.js';
7
8 console.log('Importing Module');
9 ShoppingCart.addToCart({product: 'Bread', quantity: 5});
10
11 console.log('variable names can be changed on import/export:',
12   ShoppingCart.tp, ShoppingCart.tq);
13
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22
```

```
1 // Exporting module
2 console.log('Exporting Module');
3
4 const shippingCost = 10;
5 const cart = [];
6
7 const totalPrice = 237;
8 const totalQuantity = 40;
9
10 // named export of variables
11 export {totalPrice as tp, totalQuantity as tq};
12
13 // named exports have to be top-level code
14 export const addToCart = function (product, quantity) {
15   cart.push({product, quantity});
16   console.log(`${quantity} ${product} added to cart!`);
17   console.log('Cart is:', cart);
18 }
19
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```

Console

Default levels ▾ | No Issues

Live reload enabled. (index):57

● Uncaught SyntaxError: Cannot use import statement outside a module VM724 script.js:4

Exporting Module shoppingCart.js:2

Importing Module script.js:6

5 Bread added to cart shoppingCart.js:16

Cart is: > [{}]

variable names can be changed on import/export: 237 40 script.js:9



```
File Edit View Navigate Code Refactor Run Tools Git Window Help
ny > 17_Modules_Tooling_Functional > _272_ExportingAndImportingModules > script.js
index.html x script.js x shoppingCart.js x
1 // importing module...
2
3
4
5 /*
6 import * as ShoppingCart from './shoppingCart.js';
7
8 console.log('Importing Module');
9 ShoppingCart.addToCart('Bread', 5);
10
11 console.log('variable names can be changed on import/export:',
12 ShoppingCart.tp, ShoppingCart.tq);
13 */
14 // Import default export (when there is only ONE thing being exported).
15
16 ///////////////////////////////////////////////////
17 // DEFAULT IMPORT:
18 import add from './shoppingCart.js';
19
20 add (product: 'pizza', quantity: 5);
21 add (product: 'bread', quantity: 34);
22 add (product: 'beer', quantity: 5);
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