

Module Wrapper Function



Mosh Hamedani
programmingwithmosh.com

ActivitiesVisual Studio Code

Sat 22:070B/s ↓0B/s ↑

logger.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS app.jsJS logger.js

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

05. Loading a ...

JS app.jsU

JS logger.jsU

06. Module Wr...

JS app.jsU

JS logger.js1, U

06. Module Wrapper Function > JS logger.js > ...

1var x=; //Write this syntactical error on the very first line to see

2var url = 'http://mylogger.io/log' //Implementation details

3

4function log(message){

5// Send an HTTP request

6console.log(message);

7}

8module.exports = log; //export only this function not whole object

9// So you export a single module or an object

DEBUG CONSOLEPROBLEMS1OUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications\$ 06.\ Module\ Wrapper\ Function/

bash: 06. Module Wrapper Function/: Is a directory

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications\$ cd 06.\ Module\ Wrapper\ Function/

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$ node app.js

/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/logger.js:1

(function (exports, require, module, __filename, __dirname) { var x=; //Write this syntactical error on the very first line to see

SyntaxError: Unexpected token ;

at createScript (vm.js:80:10)

at Object.runInThisContext (vm.js:139:10)

at Module._compile (module.js:616:28)

at Object.Module._extensions..js (module.js:663:10)

at Module.load (module.js:565:32)

at tryModuleLoad (module.js:505:12)

at Function.Module._load (module.js:497:3)

at Module.require (module.js:596:17)

at require (internal/module.js:11:18)

at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/app.js:1:75)

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$

master*110

Ln 9, Col 46Spaces: 4UTF-8LFJavaScript

```
first-app $  
first-app $node app.js  
/Users/moshfeghhamedani/Desktop/node-course/first-app/logger.js:1  
(function (exports, require, module, __filename, __dirname) { var x =;  
                                                                    ^
```

```
SyntaxError: Unexpected token ;  
    at createScript (vm.js:80:10)  
    at Object.runInThisContext (vm.js:139:10)  
    at Module._compile (module.js:599:28)  
    at Object.Module._extensions..js (module.js:646:10)  
    at Module.load (module.js:554:32)  
    at tryModuleLoad (module.js:497:12)  
    at Function.Module._load (module.js:489:3)  
    at Module.require (module.js:579:17)  
    at require (internal/module.js:11:18)  
    at Object.<anonymous> (/Users/moshfeghhamedani/Desktop/node-course/first-app/app.js:2:13)  
first-app $
```

```

1  var x =;
2  var url = 'http://mylogger.io/log';
3
4  function log(message) {
5      // Send an HTTP request
6      console.log(message);
7  }
8
9  module.exports = log;
10

```



JS app.js

JS logger.js •



logger.js:1:1
1 (function (exports, require, module, __filename, __dirname) {
2
3 var url = 'http://mylogger.io/log';
4
5 function log(message) {
6 // Send an HTTP request
7 console.log(message);
8 }
9
10 module.exports = log;
11
12 })
13



```
1 (function (exports, require, module, __filename, __dirname) {  
2  
3   var url = 'http://mylogger.io/log';  
4  
5   function log(message) {  
6     // Send an HTTP request  
7     console.log(message);  
8   }  
9  
10  module.exports = log;  
11  
12  })  
13
```



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EXPLORER

JS app.jsJS logger.js

OPEN EDITORS

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02. Global Object

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03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

05. Loading a ...

JS app.jsU

JS logger.jsU

06. Module Wr...

JS app.jsU

JS logger.jsU

06. Module Wrapper Function > JS logger.js > ...

```
10
11 (function (exports, require, module, __filename, __dirname) {
12
13     var url = 'http://mylogger.io/log' //Implementation details
14
15     function log(message) {
16         // Send an HTTP request
17         console.log(message);
18     }
19     module.exports = log; //export only this function not whole object
20     // So you export a single module or an object
21
22 }])
23
```

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

```
bash: 06. Module Wrapper Function/: Is a directory
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications$ cd 06.\ Module\ Wrapper\ Function/
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function$ node app.js
/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/logger.js:1
(function (exports, require, module, __filename, __dirname) { var x=;//Write this syntactical error on the very first line to see
^
SyntaxError: Unexpected token ;
    at createScript (vm.js:80:10)
    at Object.runInThisContext (vm.js:139:10)
    at Module._compile (module.js:616:28)
    at Object.Module._extensions..js (module.js:663:10)
    at Module.load (module.js:565:32)
    at tryModuleLoad (module.js:505:12)
    at Function.Module._load (module.js:497:3)
    at Module.require (module.js:596:17)
    at require (internal/module.js:11:18)
    at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/app.js:1:75)
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function$ ^C
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function$
```

OUTLINE

master*0 0 0

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Module Wrapper Function

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logger.js - Applications - Visual Studio Code

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EXPLORER

JS app.jsJS logger.js

OPEN EDITORS06. Module Wrapper Function > JS logger.js > <function>

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

05. Loading a ...

JS app.jsU

JS logger.jsU

06. Module Wr...

JS app.jsU

JS logger.jsU

13var url = 'http://mylogger.io/log' //Implementation details

14

15function log(message) {

16// Send an HTTP request

17console.log(message);

18}

19module.exports = log; //export only this function not whole object

20// So you export a single module or an object

21

22module.exports.log = log;

23exports.log = log; //You can write it both ways

24//But you can't reset export

25exports = log;|

26

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

at Module.require (module.js:596:17)

at require (internal/module.js:11:18)

at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/app.js:1:75)

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$ ^C

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$ node app.js

/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/app.js:2

log('message');

^

TypeError: log is not a function

at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/app.js:2:1)

at Module._compile (module.js:652:30)

at Object.Module._extensions..js (module.js:663:10)

at Module.load (module.js:565:32)

at tryModuleLoad (module.js:505:12)

at Function.Module._load (module.js:497:3)

at Function.Module.runMain (module.js:693:10)

at startup (bootstrap_node.js:188:16)

at bootstrap_node.js:609:3

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$

OUTLINE

master*0 0 0

Ln 25, Col 19Spaces: 4UTF-8LFJavaScript

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logger.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

JS app.jsJS logger.js

06. Module Wrapper Function > JS logger.js > ...

```
28 // })
29
30 //Javascript don't run our code directly but it wraps its module in a function like above
31 //require function appears to be global but it is not
32
33 console.log(__filename);
34 console.log(__dirname);
35 var url = 'http://mylogger.io/log' //Implementation details
36 function log(message) {
37     // Send an HTTP request
38     console.log(message);
39 }
40 module.exports = log; //export only this function not whole object
41 // So you export a single module or an object
42 exports.log = log;
43
44
45
```

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

at Module.load (module.js:565:32)
at tryModuleLoad (module.js:505:12)
at Function.Module._load (module.js:497:3)
at Function.Module.runMain (module.js:693:10)
at startup (bootstrap_node.js:188:16)
at bootstrap_node.js:609:3
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Modrapper Function\$ node app.js
/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function/logger.js
/home/dandy/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function
message
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/06. Module Wrapper Function\$

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