

Loading a Module



Mosh Hamedani
programmingwithmosh.com

ActivitiesVisual Studio Code

Fri 08:430B/s ↓0B/s ↑

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

04. Creating a Module > JS app.js > ...
1 var logger = require('./logger');
2
3 console.log(logger);

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js
{ log: [Function: log] }
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$

OUTLINE

master*

Ln 3, Col 21Spaces: 4UTF-8LFJavaScript

ActivitiesVisual Studio Code

Fri 08:4586.0B/s ↓ 585B/s ↑

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS logger.jsJS app.js

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

OUTLINE

04. Creating a Module > JS app.js > ...

1var logger = require('./logger');

2

3//console.log(logger);

4logger.log('message');

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js

{ log: [Function: log] }

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js

message

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$

master*0 0 0

Ln 4, Col 23Spaces: 4UTF-8LFJavaScript

ActivitiesVisual Studio Code

Fri 08:4842.0B/s70.0B/s

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS logger.jsJS app.js

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

04. Creating a Module > JS app.js > ...

```
1 //var logger = require('./logger');
2
3 //console.log(logger);
4 //logger.log('message');
5
6 // We should define the logger as const because
7 // we dont want to update the value like below
8 // logger = 1
9 // So define it like
10 const logger = require('./logger')
11 logger.log('message');
12
```

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

```
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$ node app.js
{ log: [Function: log] }
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$ node app.js
message
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$ node app.js
message
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$
```

OUTLINE

master*00

Ln 11, Col 1Spaces: 4UTF-8LFJavaScript

ActivitiesVisual Studio Code

Fri 08:49601B/s ↓ 312B/s ↑

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS logger.jsJS app.js

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.js

03. Modules

JS app.js

04. Creating a ...

JS app.js

JS logger.js

04. Creating a Module > JS app.js > ...

```
1 var logger = require('./logger');
2 logger = 1;
3 //console.log(logger);
4 logger.log('message');
5
6 // We should define the logger as const because
7 // we dont want to update the value like below
8 // logger = 1
9 // So define it like
10 const logger = require('./logger')
11 logger.log('message');
12
```

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

```
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$ node app.js
message
dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module$ node app.js
/home/dandy/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module/app.js:10
const logger = require('./logger')
    ^
SyntaxError: Identifier 'logger' has already been declared
    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 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/04. Creating a Module$
```

OUTLINE

master* 0 0 0

Ln 2, Col 12Spaces: 4UTF-8LFJavaScript

ActivitiesVisual Studio Code

Fri 08:5085.9B/s ↓ 584B/s ↑

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

04. Creating a Module > JS app.js > ...

JS app.jsU

JS app.jsU

JS app.jsU

JS logger.jsU

04. Creating a Module > JS app.js > ...

```
1 var logger = require('./logger');
2 logger = 1;
3 //console.log(logger);
4 logger.log('message');
5
6 // We should define the logger as const because
7 // we dont want to update the value like below
8 // logger = 1
9 // So define it like
10 //const logger = require('./logger')
11 //logger.log('message');
12
```

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js
/home/dandy/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module/app.js:4
logger.log('message');
^
TypeError: logger.log is not a function
 at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module/app.js:4:8)
 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/04. Creating a Module\$

master*0 0 0

Ln 4, Col 1Spaces: 4UTF-8LFJavaScript

ActivitiesVisual Studio Code

Fri 08:501.15KB/s ↓ 813B/s ↑

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS logger.jsJS app.js

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

04. Creating a Module > JS app.js > ...

1 //var logger = require('./logger');

2 //logger = 1;

3 //console.log(logger);

4 //logger.log('message');

5

6 // We should define the logger as const because

7 // we dont want to update the value like below

8 // logger = 1

9 // So define it like

10 const logger = require('./logger')

11 logger.log('message');

12

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js

/home/dandy/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module/app.js:4

logger.log('message');

^

TypeError: logger.log is not a function

at Object.<anonymous> (/home/dandy/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module/app.js:4:8)

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/04. Creating a Module\$ node app.js

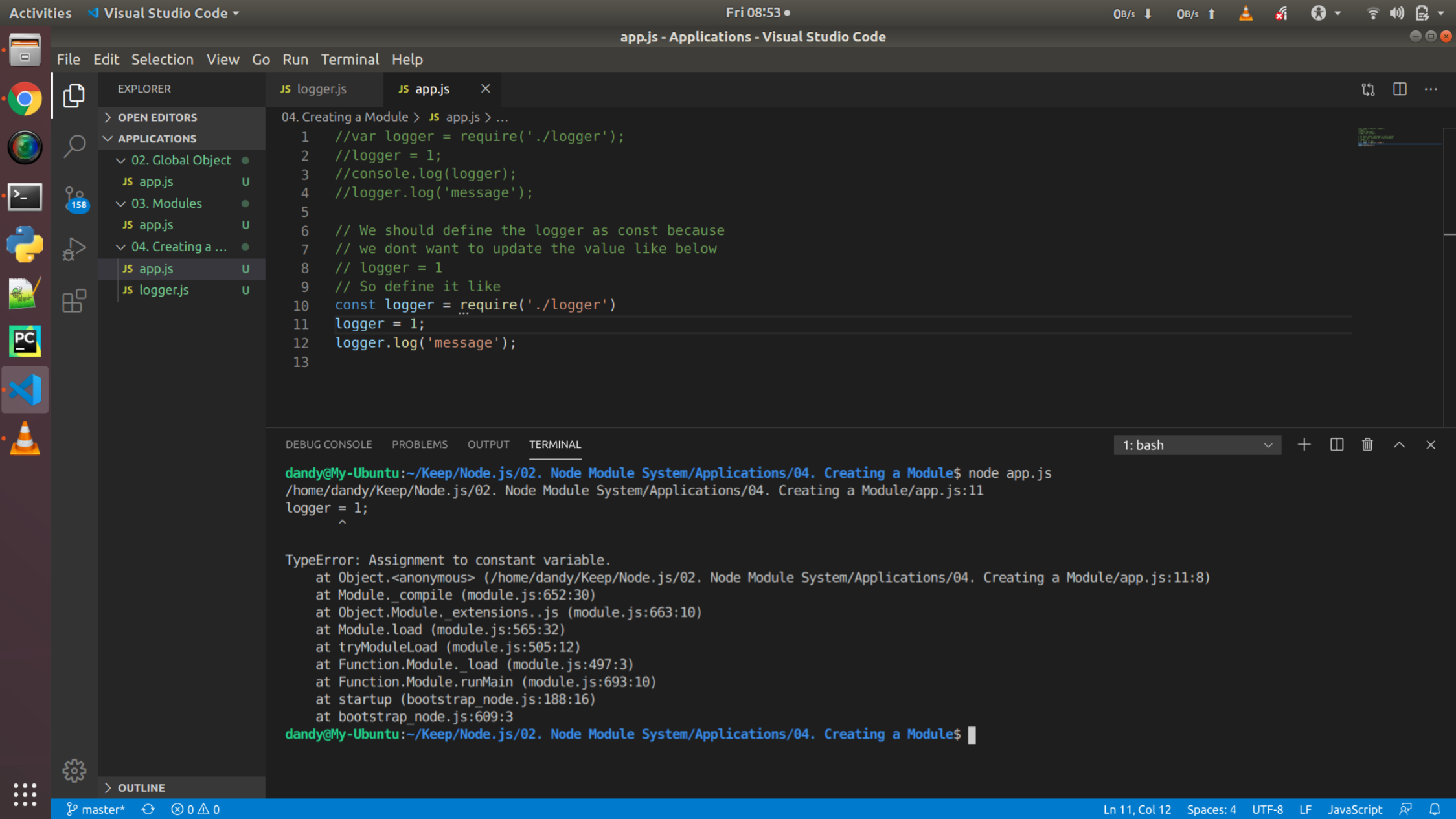
message

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$

OUTLINE

master*

Ln 11, Col 1Spaces: 4UTF-8LFJavaScript



File Edit View Search Terminal Help

dandy@My-Ubuntu:~\$ sudo npm install -g jshint

[sudo] password for dandy:

sudo: npm: command not found

dandy@My-Ubuntu:~\$ sudo npm list

sudo: npm: command not found

dandy@My-Ubuntu:~\$ sudo curl -L https://npmjs.org/install.sh | sudo sh

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload	Upload	Total	Spent	Left
							Speed

0	0	0	0	0	0	--:--:--	0
100	5450	100	5450	0	0	0:00:02	8847

tar=/bin/tar

version:

tar (GNU tar) 1.29

Copyright (C) 2015 Free Software Foundation, Inc.

License GPLv3+: GNU GPL version 3 or later <<http://gnu.org/licenses/gpl.html>>.

This is free software: you are free to change and redistribute it.

There is NO WARRANTY, to the extent permitted by law.

Written by John Gilmore and Jay Fenlason.

install npm@latest

fetching: <https://registry.npmjs.org/npm/-/npm-6.14.3.tgz>

up to date in 0.036s

/usr/bin/npm -> /usr/lib/node_modules/npm/bin/npm-cli.js

/usr/bin/npmx -> /usr/lib/node_modules/npm/bin/npm-cli.js


+ npm@6.14.3




added 435 packages from 869 contributors in 7.106s

It worked

dandy@My-Ubuntu:~\$ npm -v

6.14.3

dandy@My-Ubuntu:~\$ 

 File Edit View Search Terminal Help
 dandy@My-Ubuntu:~\$ sudo npm install -g jshint
/usr/bin/jshint -> /usr/lib/node_modules/jshint/bin/jshint
+ jshint@2.11.0
added 31 packages from 15 contributors in 8.602s
 dandy@My-Ubuntu:~\$

ActivitiesVisual Studio Code

Fri 09:09754B/s ↓ 1.00KB/s ↑

logger.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

OUTLINE

JS logger.jsXJS app.js

04. Creating a Module > JS logger.js > ...

6 // }

7

8 // module.exports.log = log;

9 // //module.exports.endPoint = url;

10

11 var url = 'http://mylogger.io/log'

12

13 function log(message){

14 // Send an HTTP request

15 console.log(message);

16 }

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

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

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js

message

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$

Ln 18, Col 46Spaces: 4UTF-8LFJavaScript

Activities

Visual Studio Code

0B/s ↓

0B/s ↑

Fri 09:09

app.js - Applications - Visual Studio Code

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JS logger.jsJS app.js

> OPEN EDITORS

APPLICATIONS

02. Global Object

JS app.jsU

03. Modules

JS app.jsU

04. Creating a ...

JS app.jsU

JS logger.jsU

> OUTLINE

04. Creating a Module > JS app.js > ...

10 // const logger = require('./logger');

11 // //logger = 1;

12 // logger.log('message');

13

14 const log = require('./logger');

15 log('message');

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

1: bash

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$ node app.js

message

dandy@My-Ubuntu:~/Keep/Node.js/02. Node Module System/Applications/04. Creating a Module\$

master*

0 0 0

Ln 15, Col 17

Spaces: 4

UTF-8

LF

JavaScript