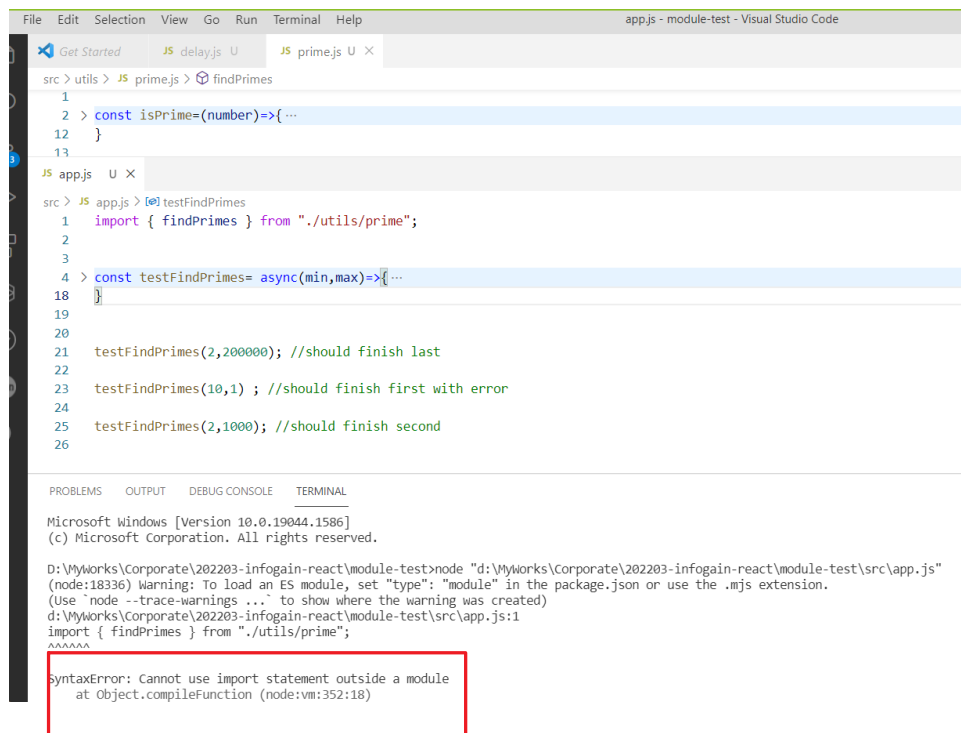


ES2015 Module Caveat

Wednesday, March 16, 2022 4:04 PM

- Currently no browser or Javascript runtime support modules (import/export) out of box



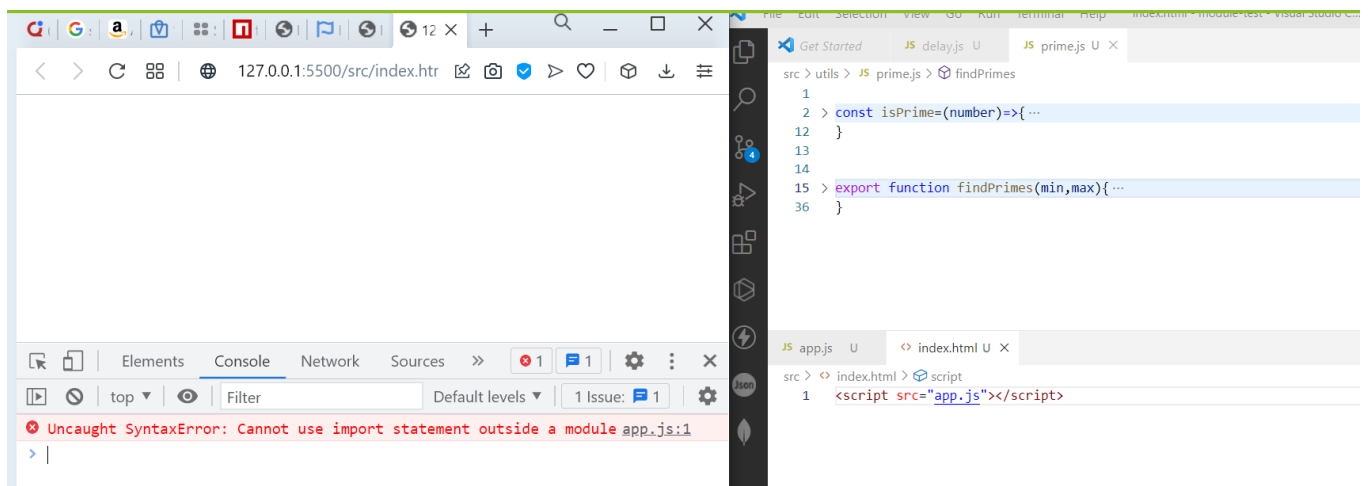
The screenshot shows the Visual Studio Code editor with two files open: `prime.js` and `app.js`. The `prime.js` file contains a function `findPrimes`. The `app.js` file contains a `testFindPrimes` function that imports `findPrimes` from `./utils/prime`. The terminal window at the bottom shows the command `node app.js` and the resulting error: `SyntaxError: Cannot use import statement outside a module`. The error message is highlighted with a red box.

```
src > utils > JS prime.js > findPrimes
1
2 > const isPrime=(number)=>{ ...
12 }
13

JS app.js U X
src > JS app.js > testFindPrimes
1 import { findPrimes } from "./utils/prime";
2
3
4 > const testFindPrimes= async(min,max)=>{ ...
18 }
19
20
21 testFindPrimes(2,200000); //should finish last
22
23 testFindPrimes(10,1) ; //should finish first with error
24
25 testFindPrimes(2,1000); //should finish second
26

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Microsoft Windows [Version 10.0.19044.1586]
(c) Microsoft Corporation. All rights reserved.

D:\Myworks\Corporate\202203-infogain-react\module-test\src>node "d:\Myworks\Corporate\202203-infogain-react\module-test\src\app.js"
(node:18336) Warning: To load an ES module, set "type": "module" in the package.json or use the .mjs extension.
(Use 'node --trace-warnings ...' to show where the warning was created)
d:\Myworks\Corporate\202203-infogain-react\module-test\src>node app.js:1
import { findPrimes } from "./utils/prime";
^^^^^
SyntaxError: Cannot use import statement outside a module
    at Object.compileFunction (node:vm:352:18)
```



The screenshot shows a web browser window displaying the URL `127.0.0.1:5500/src/index.htm`. The browser's console shows an error: `Uncaught SyntaxError: Cannot use import statement outside a module app.js:1`. The Visual Studio Code editor is open in the background, showing the `prime.js` file with the `findPrimes` function. The `app.js` file is also visible, showing the `testFindPrimes` function that imports `findPrimes` from `./utils/prime`. The `index.html` file is also open, showing a `<script src='app.js'></script>` tag.

```
src > utils > JS prime.js > findPrimes
1
2 > const isPrime=(number)=>{ ...
12 }
13
14
15 > export function findPrimes(min,max){ ...
36 }

JS app.js U <> index.html U X
src > <> index.html > script
1 <script src='app.js'></script>
```