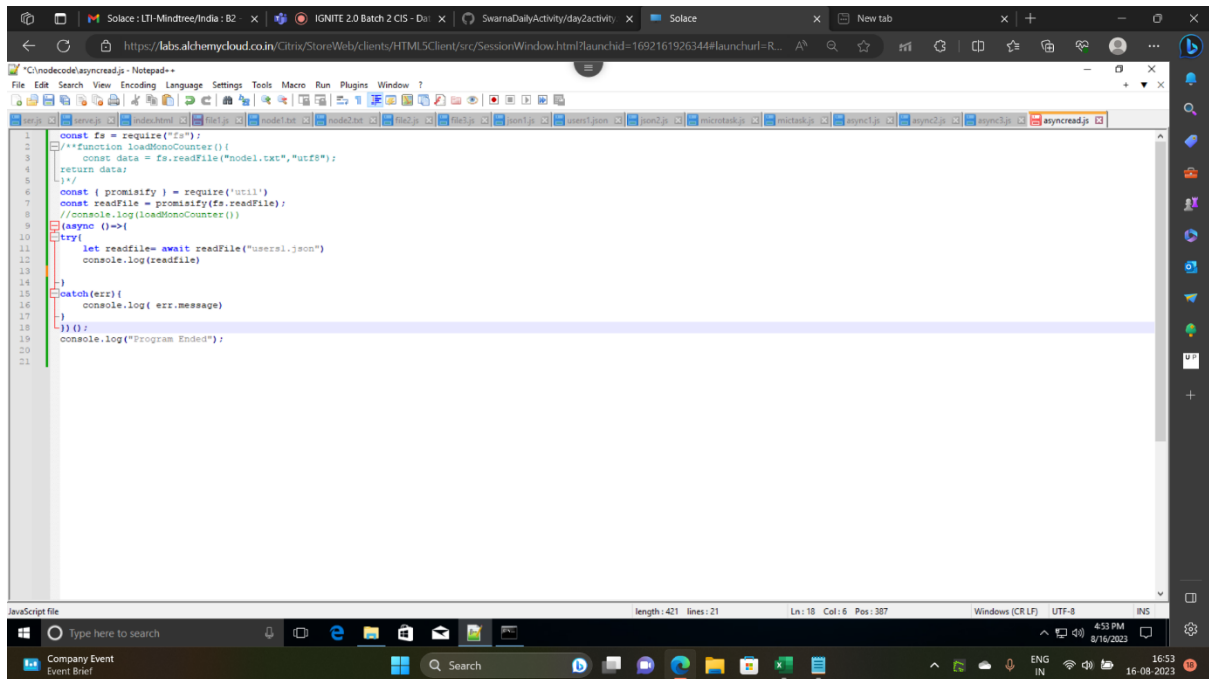


1. Read a text file + HTML file + JSON file using async method in NodeJS [1 program or 3 different programs]

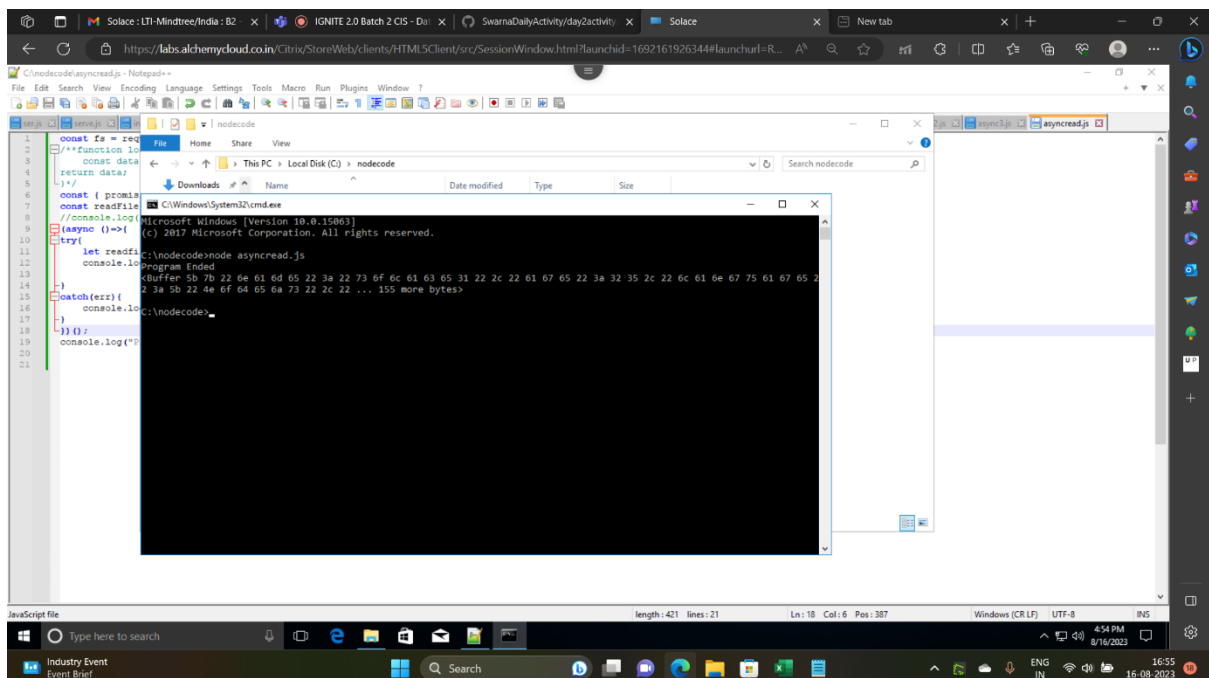
Reading json file using async method:



The screenshot shows a VS Code editor with a file named `asyncread.js`. The code is as follows:

```
1 const fs = require('fs');
2 /**function loadNonCounter() {
3   const data = fs.readFile('model.txt', 'utf8');
4   return data;
5 }
6 const { promisify } = require('util');
7 const readFile = promisify(fs.readFile);
8 //console.log(loadNonCounter());
9 (async () => {
10   try {
11     let readfile = await readFile('users1.json')
12     console.log(readfile)
13   } catch (err) {
14     console.log(err.message)
15   }
16 })();
17 console.log("Program Ended");
18
19
20
21
```

The status bar at the bottom indicates the file is a JavaScript file, 421 lines, 21 lines, 18 columns, 6 positions, 387 bytes, Windows (CR LF) encoding, UTF-8 character set, and RLS language mode. The system clock shows 4:53 PM on 8/16/2023.



The screenshot shows the same VS Code editor with the `asyncread.js` file. The console output is visible, showing the JSON data read from the file:

```
1 const fs = req
2 /**function lo
3   const data =
4   return data;
5 }
6 const { promi
7 const readfil
8 //console.log
9 (async () => {
10   try {
11     let readfil
12     console.log
13   } catch (err) {
14     console.log
15   }
16 })();
17 console.log("
18
19
20
21
```

The console output shows the JSON data read from the file:

```
Microsoft Windows [Version 10.0.15863]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Windows\System32\cmd.exe
C:\nodecode>node asyncread.js
{"name":"John","age":30,"gender":"male","address":{"street":"123 Main St","city":"New York","state":"NY","zip":"10001"},"hobbies":["reading","golfing"]}
Program Ended
C:\nodecode>
```

The status bar at the bottom indicates the file is a JavaScript file, 421 lines, 21 lines, 18 columns, 6 positions, 387 bytes, Windows (CR LF) encoding, UTF-8 character set, and RLS language mode. The system clock shows 4:54 PM on 8/16/2023.

Reading html file using async method:

Reading txt file using async method:

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https://labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1692161926344#launchurl=R...

C:\nodecode\asyncread.js - Notepad++

```
1 const fs = require('fs');
2 /**function loadMonoCounter() {
3   const data = fs.readFile("model.txt", "utf8");
4   return data;
5 }
6
7 const { promisify } = require('util');
8 const readfile = promisify(fs.readFile);
9 //console.log(loadMonoCounter());
10 (async () => {
11   let readfile = await readfile("model.txt");
12   console.log(readfile);
13 }
14 )
15 .catch(err) {
16   console.log(err.message);
17 }
18 }
19 console.log("Program Ended");
20
21
```

JavaScript file length: 419 lines: 21 Ln: 11 Col: 46 Pos: 304 Windows (CR LF) UTF-8 INS

Type here to search 31°C Partly sunny 4:56 PM 8/16/2023 16:57 16-08-2023

Solace: LTI-Mindtree/India: B2 x IGNITE 2.0 Batch 2 CIS - Da x SwarnaDailyActivity/day2activity x Solace x New tab x + x - x x

https://labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1692161926344#launchurl=R...

C:\nodecode\asyncread.js - Notepad++

```
1 const fs = require('fs');
2 /**function loadMonoCounter() {
3   const data = fs.readFile("model.txt", "utf8");
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7 const { promisify } = require('util');
8 const readfile = promisify(fs.readFile);
9 //console.log(loadMonoCounter());
10 (async () => {
11   let readfile = await readfile("model.txt");
12   console.log(readfile);
13 }
14 )
15 .catch(err) {
16   console.log(err.message);
17 }
18 }
19 console.log("Program Ended");
20
21
```

C:\nodecode>node asyncread.js
Program Ended
Buffer 5b 7b 22 6e 61 6d 65 22 3a 22 73 6f 6c 61 63 65 31 22 2c 22 61 67 65 22 3a 32 35 2c 22 6c 61 6e 67 75 61 67 65 2
3a 5b 22 4e 6f 64 65 6a 73 22 2c 22 ... 155 more bytes>
C:\nodecode>node asyncread.js
Program Ended
Buffer 3c 21 64 6f 63 74 79 70 65 20 68 74 6d 6c 3e 0d 0a 3c 68 74 6d 6c 20 6c 61 6e 67 3d 22 65 6e 22 3e 0d 0a 0d 0a 2
0d 0a 0d 0a 3c 68 65 61 64 3e 0d 0a ... 155 more bytes>
C:\nodecode>node asyncread.js
Program Ended
Buffer 70 72 6f 76 69 64 69 6e 67 20 63 6f 6e 74 65 78 74 20 74 65 78 74 2e 2e 2e 21 0d 0a>
C:\nodecode>

JavaScript file length: 419 lines: 21 Ln: 11 Col: 46 Pos: 304 Windows (CR LF) UTF-8 INS

Type here to search 31°C Partly sunny 4:56 PM 8/16/2023 16:57 16-08-2023