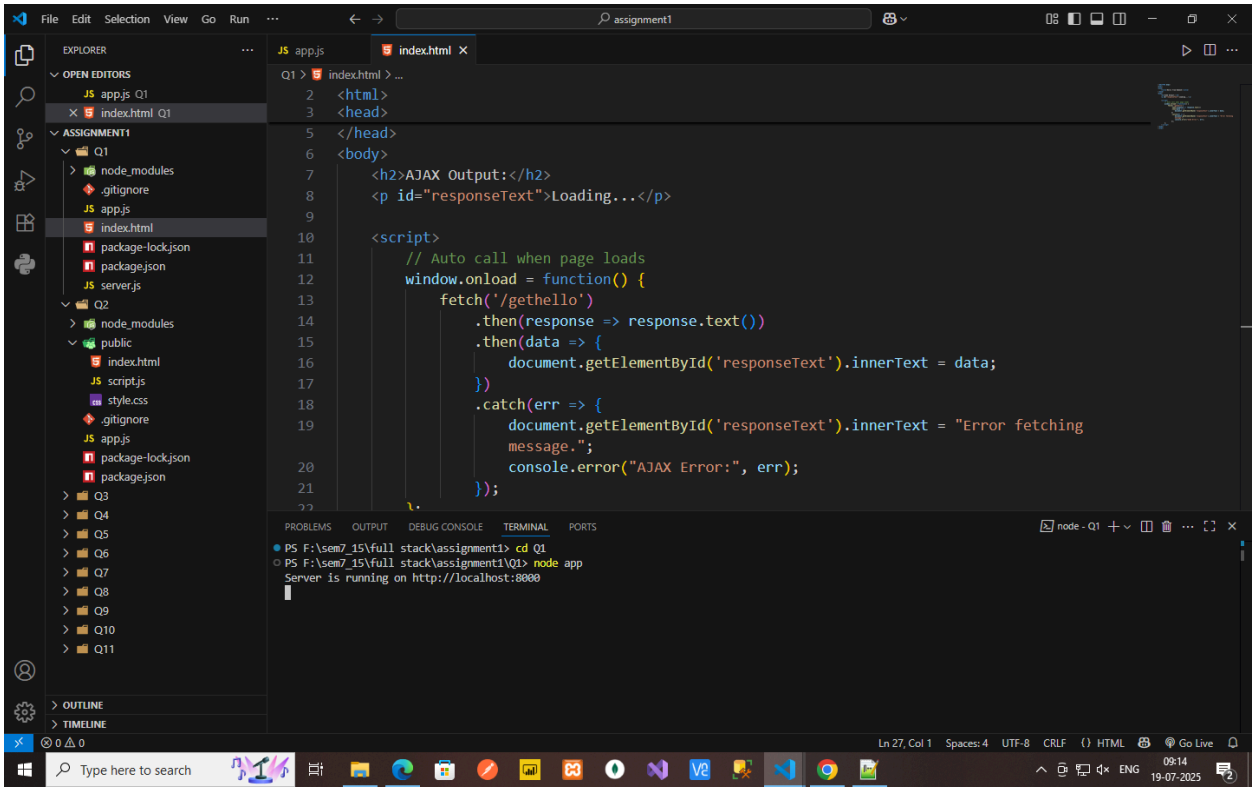
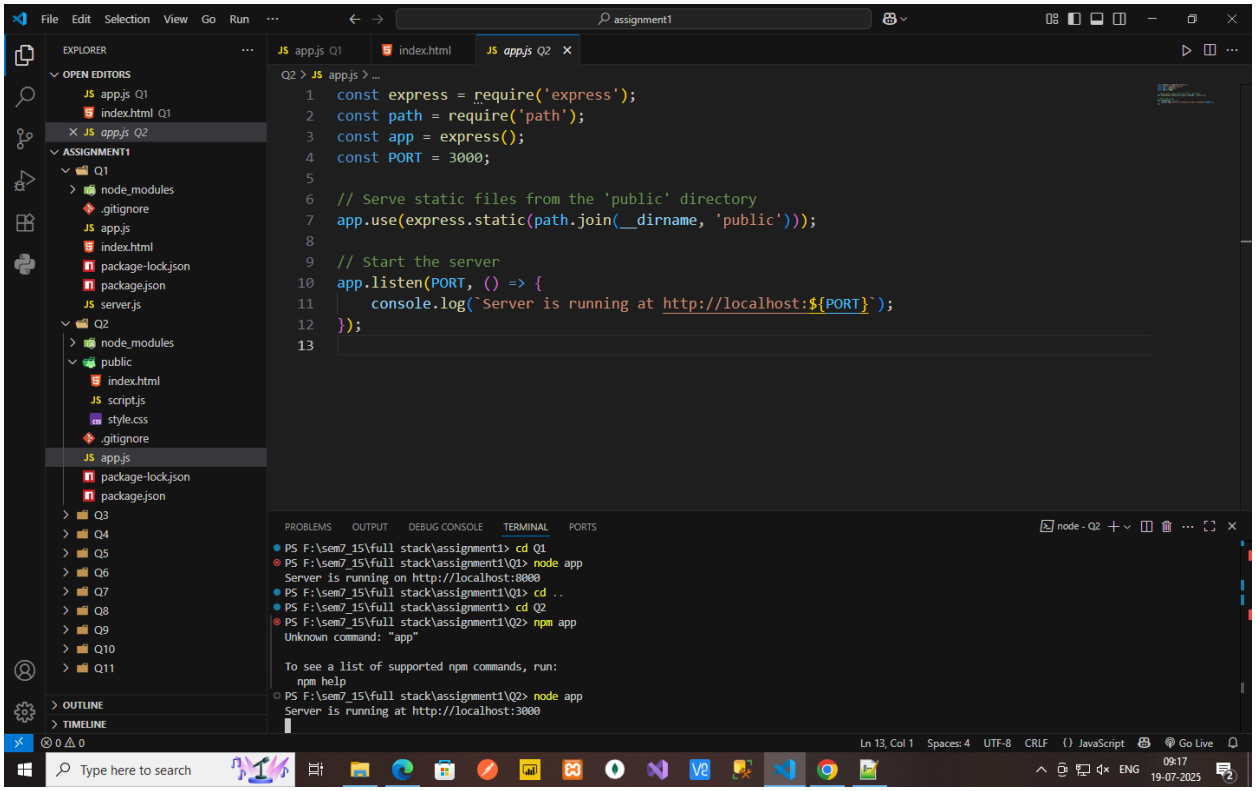
Q1)

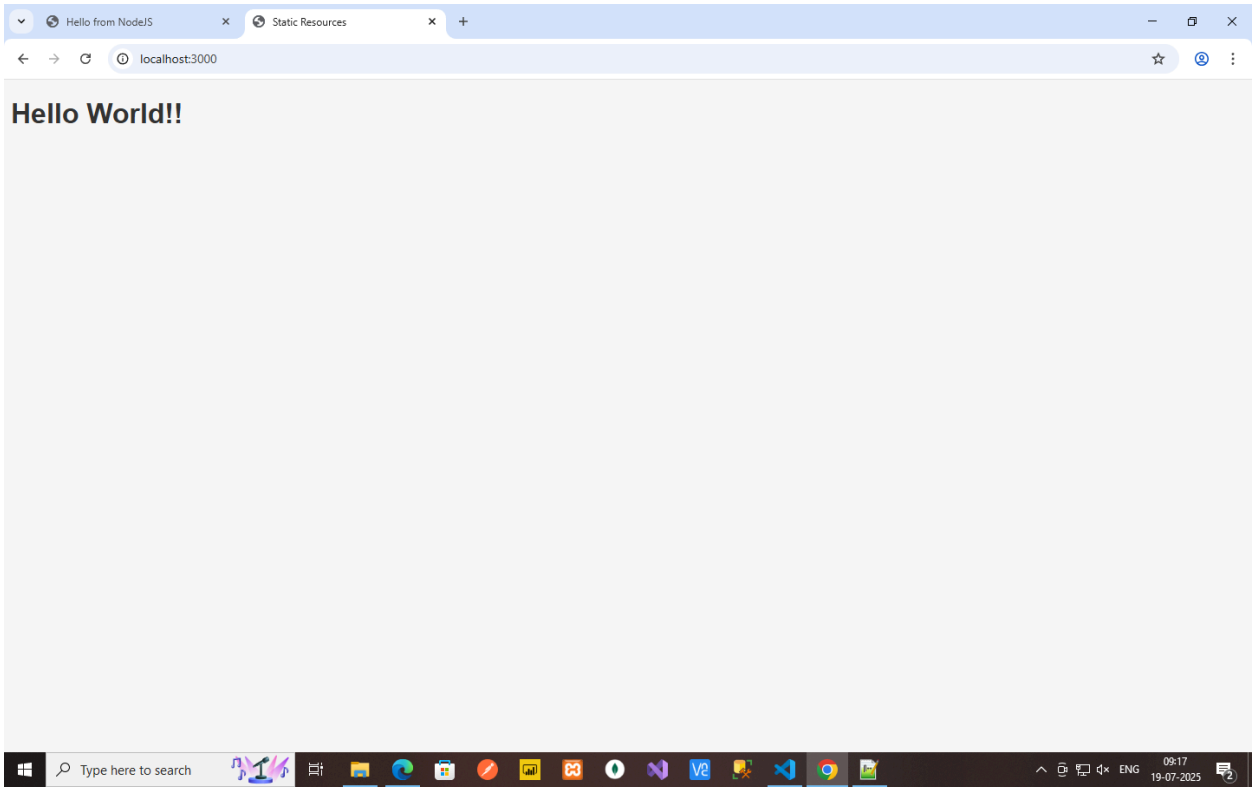


AJAX Output:

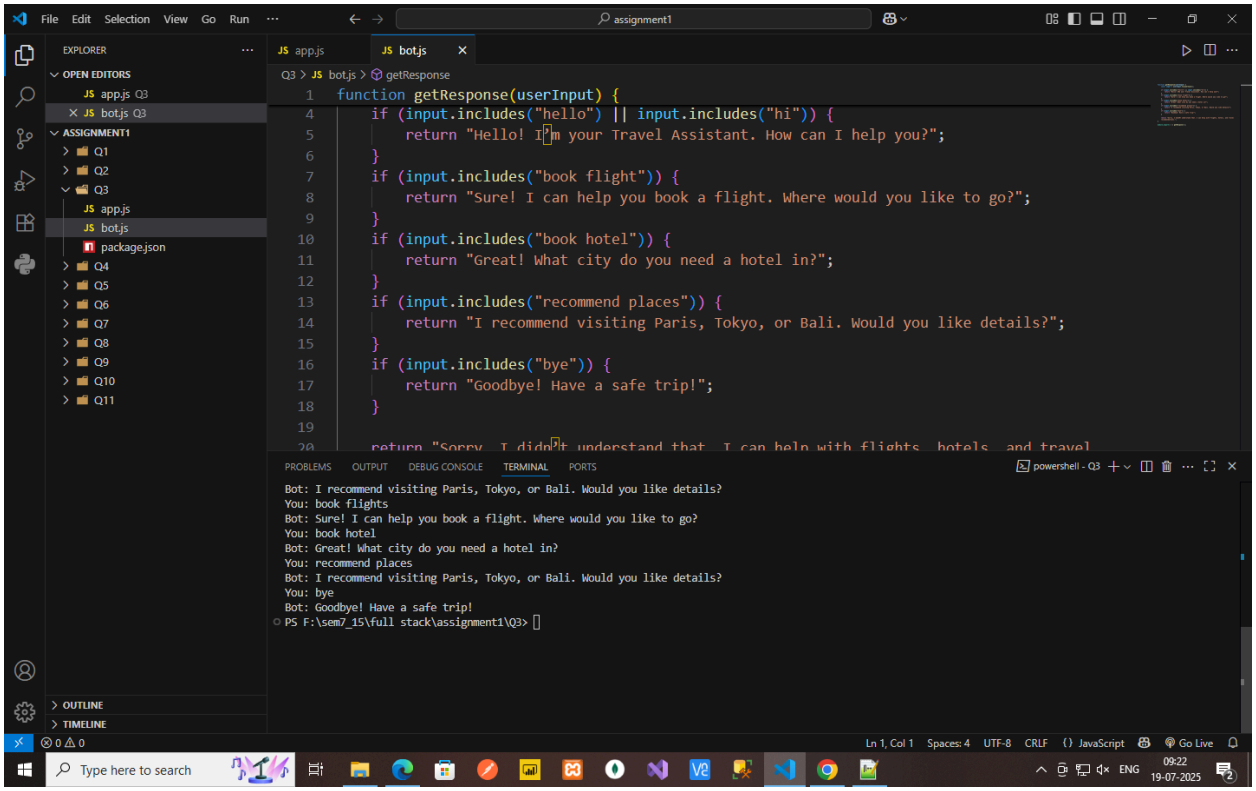
Hello NodeJS!!

Q2)

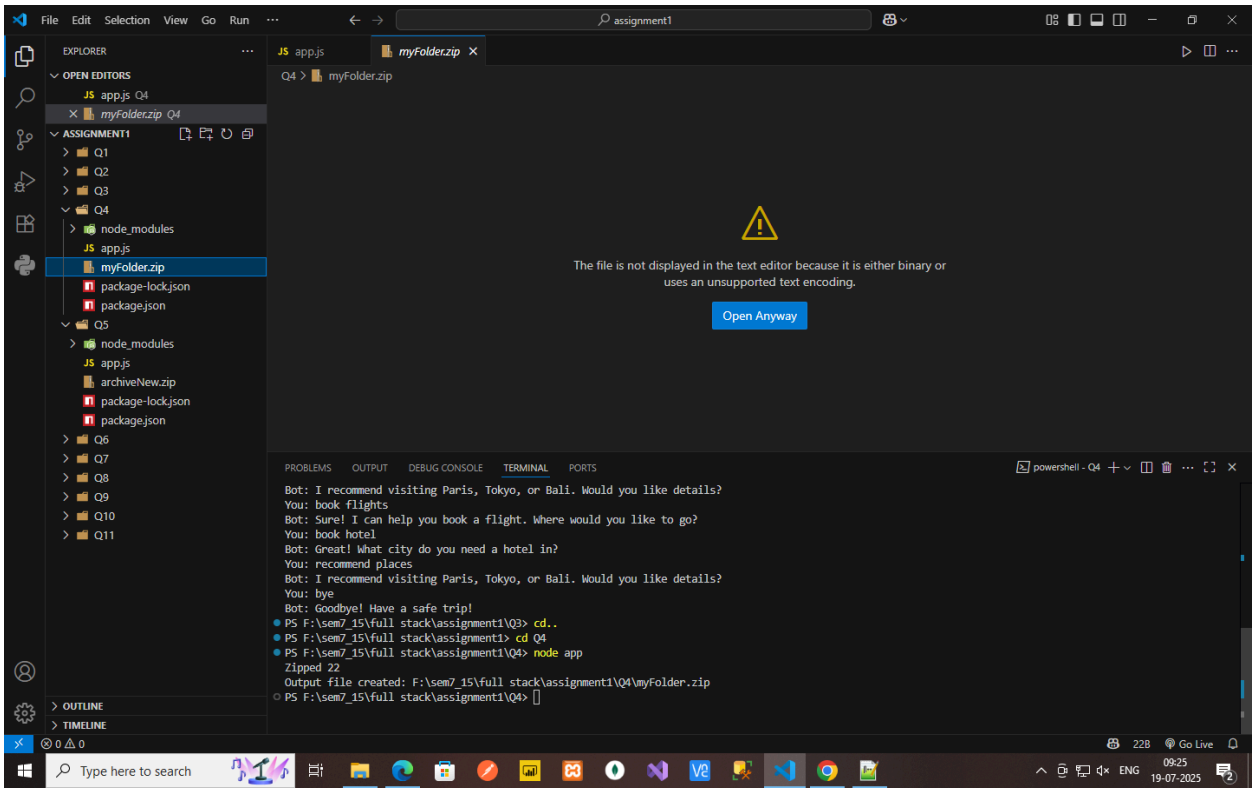

File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q1
index.html Q1
app.js Q2
ASSIGNMENT1
Q1
node_modules
.gitignore
app.js
index.html
package-lock.json
package.json
server.js
Q2
node_modules
public
index.html
script.js
style.css
.gitignore
app.js
package-lock.json
package.json
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
OUTLINE
TIMELINE
app.js Q1
index.html
app.js Q2
Q2 > app.js > ...
1 const express = require('express');
2 const path = require('path');
3 const app = express();
4 const PORT = 3000;
5
6 // Serve static files from the 'public' directory
7 app.use(express.static(path.join(__dirname, 'public')));
8
9 // Start the server
10 app.listen(PORT, () => {
11 console.log(`Server is running at http://localhost:${PORT}`);
12 });
13
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node - Q2
PS F:\sem7_15\full stack\assignment1> cd Q1
PS F:\sem7_15\full stack\assignment1\Q1> node app
Server is running on http://localhost:8000
PS F:\sem7_15\full stack\assignment1\Q1> cd ..
PS F:\sem7_15\full stack\assignment1> cd Q2
PS F:\sem7_15\full stack\assignment1\Q2> npm app
Unknown command: "app"
To see a list of supported npm commands, run:
npm help
PS F:\sem7_15\full stack\assignment1\Q2> node app
Server is running at http://localhost:3000
Ln 13, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Type here to search
ENG
09:17
19-07-2025


Hello from NodeJS
Static Resources
localhost:3000
Hello World!!
Type here to search
ENG
09:17
19-07-2025

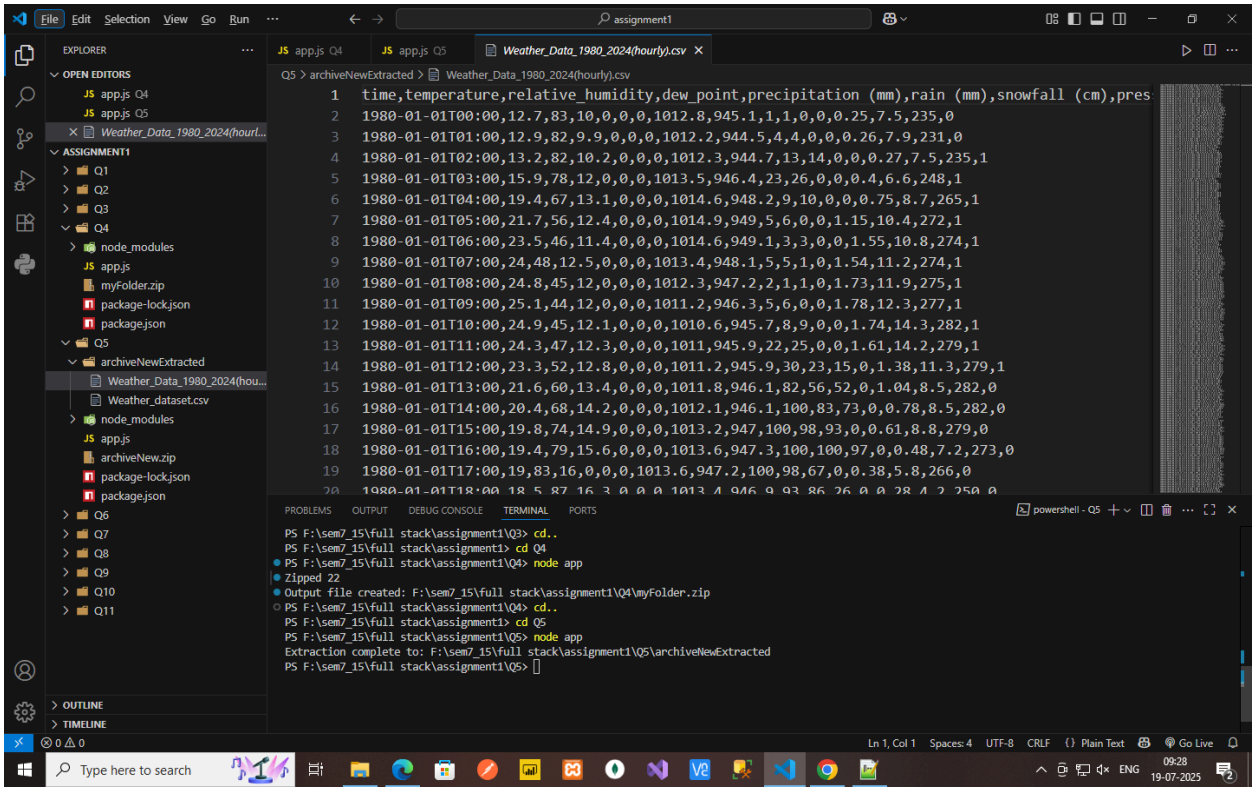
Q3)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q3
bot.js Q3
ASSIGNMENT1
Q1
Q2
Q3
app.js
bot.js
package.json
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
app.js
bot.js
Q3 > bot.js > getResponse
function getResponse(userInput) {
if (input.includes("hello") || input.includes("hi")) {
return "Hello! I'm your Travel Assistant. How can I help you?";
}
if (input.includes("book flight")) {
return "Sure! I can help you book a flight. Where would you like to go?";
}
if (input.includes("book hotel")) {
return "Great! What city do you need a hotel in?";
}
if (input.includes("recommend places")) {
return "I recommend visiting Paris, Tokyo, or Bali. Would you like details?";
}
if (input.includes("bye")) {
return "Goodbye! Have a safe trip!";
}
return "Sorry, I didn't understand that. I can help with flights, hotels, and travel
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - Q3
Bot: I recommend visiting Paris, Tokyo, or Bali. Would you like details?
You: book flights
Bot: Sure! I can help you book a flight. Where would you like to go?
You: book hotel
Bot: Great! What city do you need a hotel in?
You: recommend places
Bot: I recommend visiting Paris, Tokyo, or Bali. Would you like details?
You: bye
Bot: Goodbye! Have a safe trip!
PS F:\sem7_15\full stack\assignment1\Q3>
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Type here to search
ENG
09:22
19-07-2025

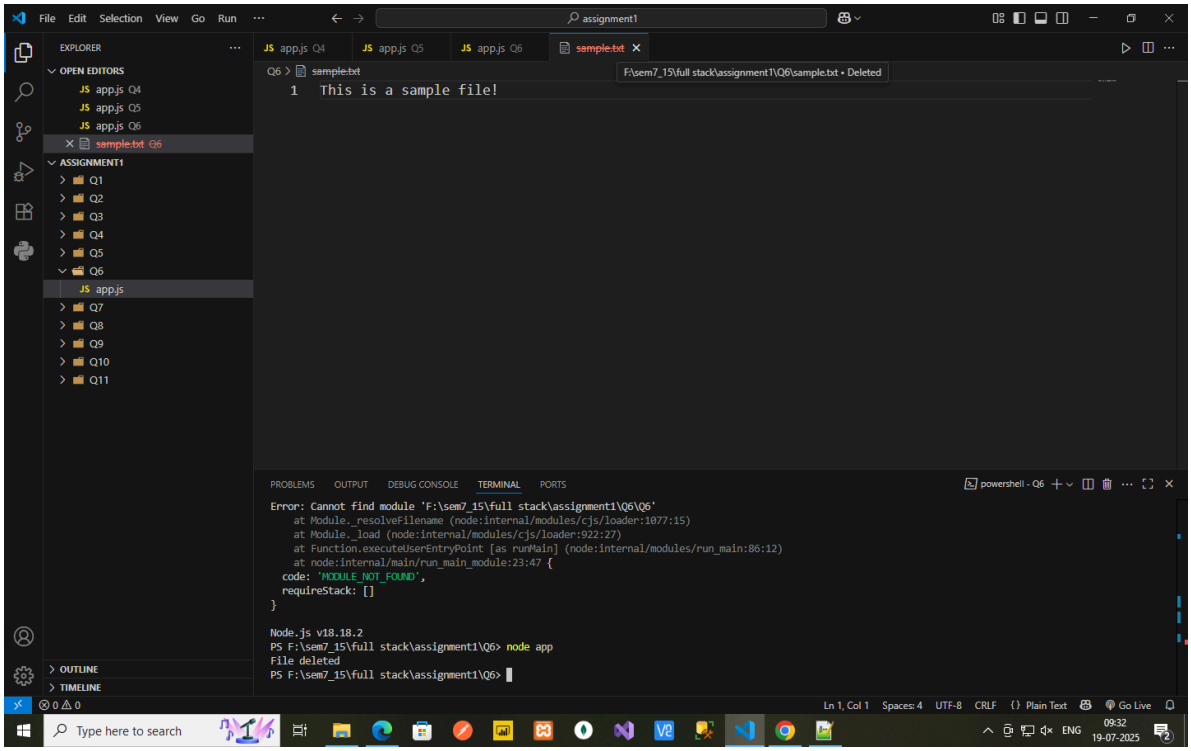
Q4)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q4
myFolder.zip Q4
ASSIGNMENT1
Q1
Q2
Q3
Q4
node_modules
app.js
myFolder.zip
package-lock.json
package.json
Q5
node_modules
app.js
archiveNew.zip
package-lock.json
package.json
Q6
Q7
Q8
Q9
Q10
Q11
app.js
myFolder.zip
Q4 > myFolder.zip
The file is not displayed in the text editor because it is either binary or uses an unsupported text encoding.
Open Anyway
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - Q4
Bot: I recommend visiting Paris, Tokyo, or Bali. Would you like details?
You: book flights
Bot: Sure! I can help you book a flight. Where would you like to go?
You: book hotel
Bot: Great! What city do you need a hotel in?
You: recommend places
Bot: I recommend visiting Paris, Tokyo, or Bali. Would you like details?
You: bye
Bot: Goodbye! Have a safe trip!
PS F:\sem7_15\full stack\assignment1\Q3> cd..
PS F:\sem7_15\full stack\assignment1> cd Q4
PS F:\sem7_15\full stack\assignment1\Q4> node app
Zipped 22
Output file created: F:\sem7_15\full stack\assignment1\Q4\myFolder.zip
PS F:\sem7_15\full stack\assignment1\Q4>
OUTLINE
TIMELINE
22B Go Live
Type here to search
ENG
09:25
19-07-2025

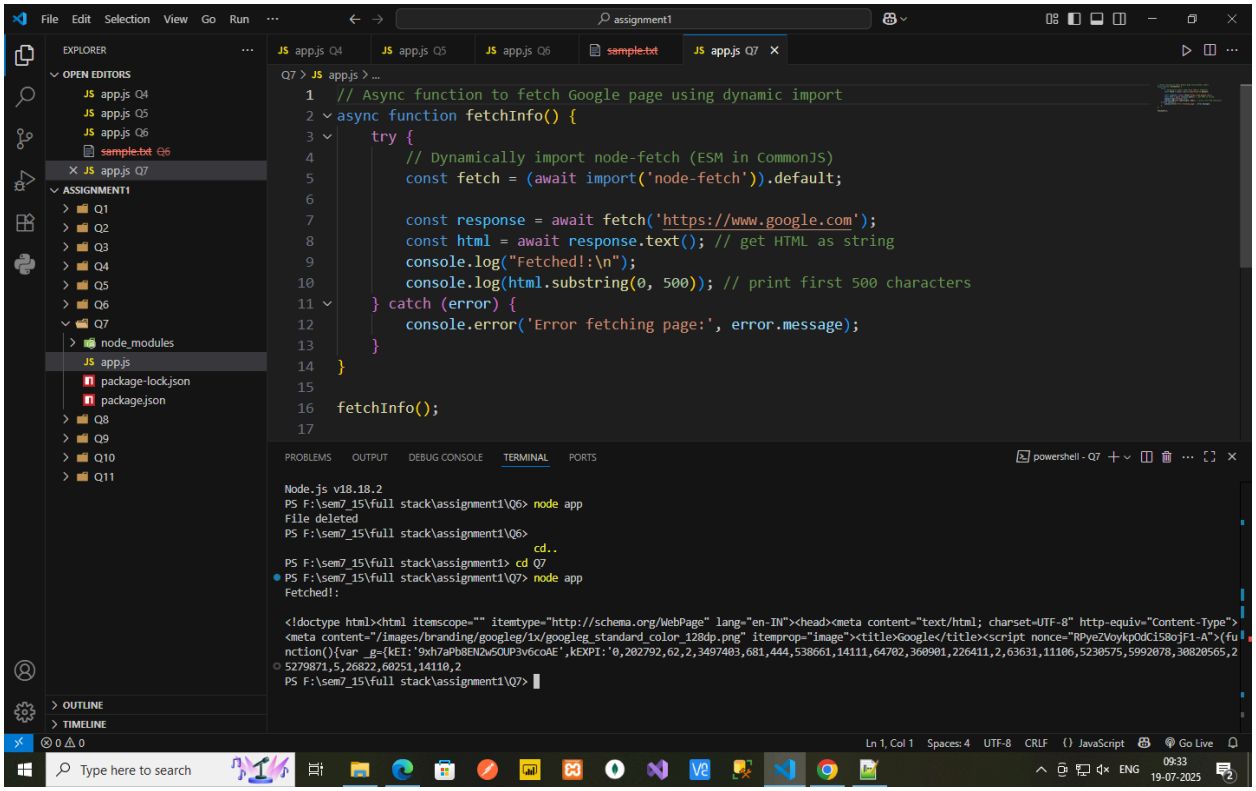
Q5)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q4
app.js Q5
Weather_Data_1980_2024(hourly).csv
ASSIGNMENT1
Q1
Q2
Q3
Q4
node_modules
app.js
myFolder.zip
package-lock.json
package.json
Q5
archiveNewExtracted
Weather_Data_1980_2024(hou...
Weather_dataset.csv
node_modules
app.js
archiveNew.zip
package-lock.json
package.json
Q6
Q7
Q8
Q9
Q10
Q11
OUTLINE
TIMELINE
Q5 > archiveNewExtracted > Weather_Data_1980_2024(hourly).csv
time,temperature,relative_humidity,dew_point,precipitation (mm),rain (mm),snowfall (cm),pres
1980-01-01T00:00,12.7,83,10,0,0,0,1012.8,945.1,1,1,0,0,0.25,7.5,235,0
1980-01-01T01:00,12.9,82,9.9,0,0,0,0,1012.2,944.5,4,4,0,0,0.26,7.9,231,0
1980-01-01T02:00,13.2,82,10.2,0,0,0,1012.3,944.7,13,14,0,0,0.27,7.5,235,1
1980-01-01T03:00,15.9,78,12,0,0,0,1013.5,946.4,23,26,0,0,0.4,6.6,248,1
1980-01-01T04:00,19.4,67,13.1,0,0,0,1014.6,948.2,9,10,0,0,0.75,8.7,265,1
1980-01-01T05:00,21.7,56,12.4,0,0,0,1014.9,949,5,6,0,0,1.15,10.4,272,1
1980-01-01T06:00,23.5,46,11.4,0,0,0,1014.6,949.1,3,3,0,0,1.55,10.8,274,1
1980-01-01T07:00,24,48,12.5,0,0,0,1013.4,948.1,5,5,1,0,1.54,11.2,274,1
1980-01-01T08:00,24.8,45,12,0,0,0,1012.3,947.2,2,1,1,0,1.73,11.9,275,1
1980-01-01T09:00,25.1,44,12,0,0,0,1011.2,946.3,5,6,0,0,1.78,12.3,277,1
1980-01-01T10:00,24.9,45,12.1,0,0,0,1010.6,945.7,8,9,0,0,1.74,14.3,282,1
1980-01-01T11:00,24.3,47,12.3,0,0,0,1011,945.9,22,25,0,0,1.61,14.2,279,1
1980-01-01T12:00,23.3,52,12.8,0,0,0,1011.2,945.9,30,23,15,0,1.38,11.3,279,1
1980-01-01T13:00,21.6,60,13.4,0,0,0,1011.8,946.1,82,56,52,0,1.04,8.5,282,0
1980-01-01T14:00,20.4,68,14.2,0,0,0,1012.1,946.1,100,83,73,0,0.78,8.5,282,0
1980-01-01T15:00,19.8,74,14.9,0,0,0,1013.2,947,100,98,93,0,0.61,8.8,279,0
1980-01-01T16:00,19.4,79,15.6,0,0,0,1013.6,947.3,100,100,97,0,0.48,7.2,273,0
1980-01-01T17:00,19,83,16,0,0,0,1013.6,947.2,100,98,67,0,0.38,5.8,266,0
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - Q5
PS F:\sem7_15\full stack\assignment1\Q3> cd..
PS F:\sem7_15\full stack\assignment1> cd Q4
PS F:\sem7_15\full stack\assignment1\Q4> node app
Zipped 22
Output file created: F:\sem7_15\full stack\assignment1\Q4\myFolder.zip
PS F:\sem7_15\full stack\assignment1\Q4> cd..
PS F:\sem7_15\full stack\assignment1> cd Q5
PS F:\sem7_15\full stack\assignment1\Q5> node app
Extraction complete to: F:\sem7_15\full stack\assignment1\Q5\archiveNewExtracted
PS F:\sem7_15\full stack\assignment1\Q5>
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Plain Text Go Live
Type here to search
ENG 09:28 19-07-2025

Q6)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q4
app.js Q5
app.js Q6
sample.txt Q6
ASSIGNMENT1
Q1
Q2
Q3
Q4
Q5
Q6
app.js
Q7
Q8
Q9
Q10
Q11
OUTLINE
TIMELINE
Q6 > sample.txt
F:\sem7_15\full stack\assignment1\Q6\sample.txt • Deleted
This is a sample file!
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - Q6
Error: Cannot find module 'F:\sem7_15\full stack\assignment1\Q6\Q6'
at Module._resolveFilename (node:internal/modules/cjs/loader:1077:15)
at Module._load (node:internal/modules/cjs/loader:922:27)
at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:86:12)
at node:internal/main/run_main_module:23:47 {
code: 'MODULE_NOT_FOUND',
requireStack: []
}
Node.js v18.18.2
PS F:\sem7_15\full stack\assignment1\Q6> node app
File deleted
PS F:\sem7_15\full stack\assignment1\Q6>
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Plain Text Go Live
Type here to search
ENG 09:32 19-07-2025

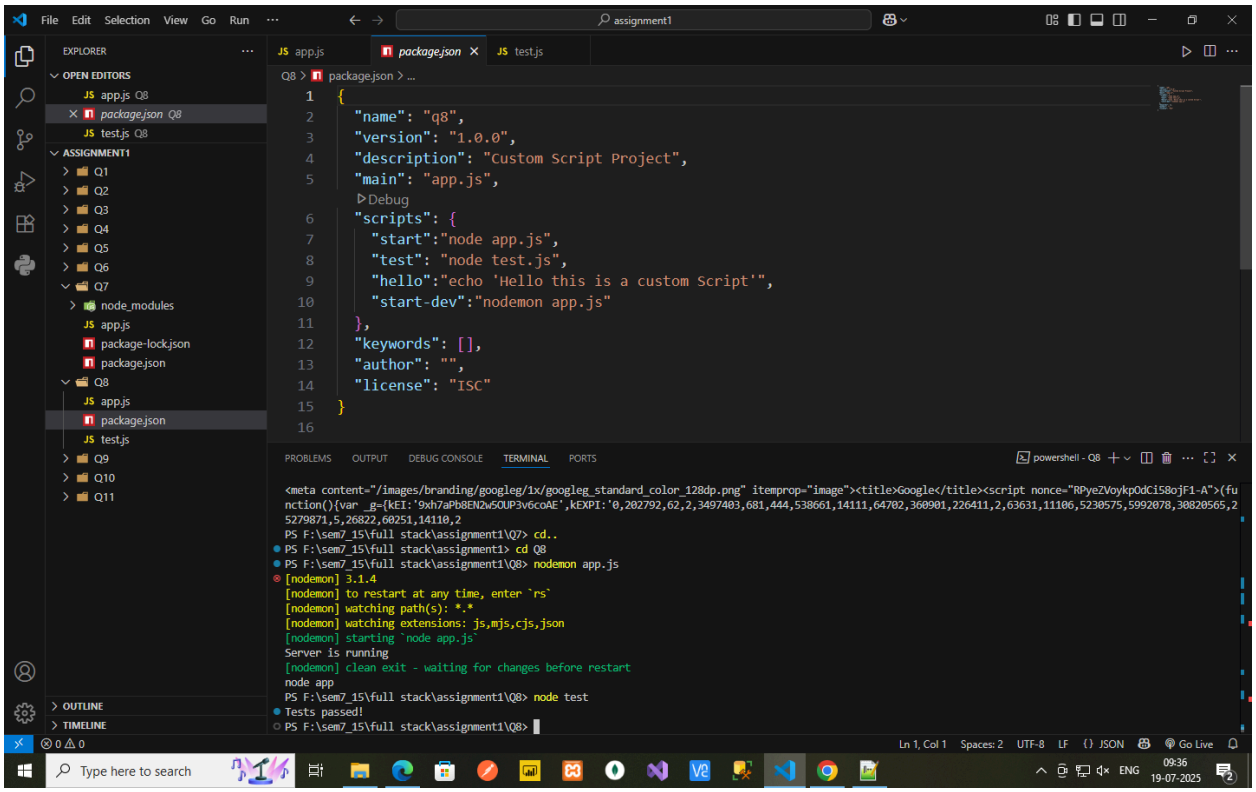
Q7)



```
// Async function to fetch Google page using dynamic import
async function fetchInfo() {
    try {
        // Dynamically import node-fetch (ESM in CommonJS)
        const fetch = (await import('node-fetch')).default;

        const response = await fetch('https://www.google.com');
        const html = await response.text(); // get HTML as string
        console.log("Fetched!:\n");
        console.log(html.substring(0, 500)); // print first 500 characters
    } catch (error) {
        console.error('Error fetching page:', error.message);
    }
}

fetchInfo();
```

```
Node.js v18.18.2
PS F:\sem7_15\full stack\assignment1\Q6> node app
File deleted
PS F:\sem7_15\full stack\assignment1\Q6>
                                       cd..
PS F:\sem7_15\full stack\assignment1> cd Q7
PS F:\sem7_15\full stack\assignment1\Q7> node app
Fetched!:

<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en-IN"><head><meta content="text/html; charset=UTF-8" http-equiv="Content-Type">
<meta content="/images/branding/googleg/1x/googleg_standard_color_128dp.png" itemprop="image"><title>Google</title><script nonce="RPyeZVoykpOdCi58ojF1-A">(fu
nction(){var _g={kEI:'9xh7aPb8EN2w5OUP3v6coAE',kEXPI:'0,202792,62,2,3497403,681,444,538661,14111,64702,360901,226411,2,63631,11106,5230575,5992078,30820565,2
5279871,5,26822,60251,14110,2
PS F:\sem7_15\full stack\assignment1\Q7>
```

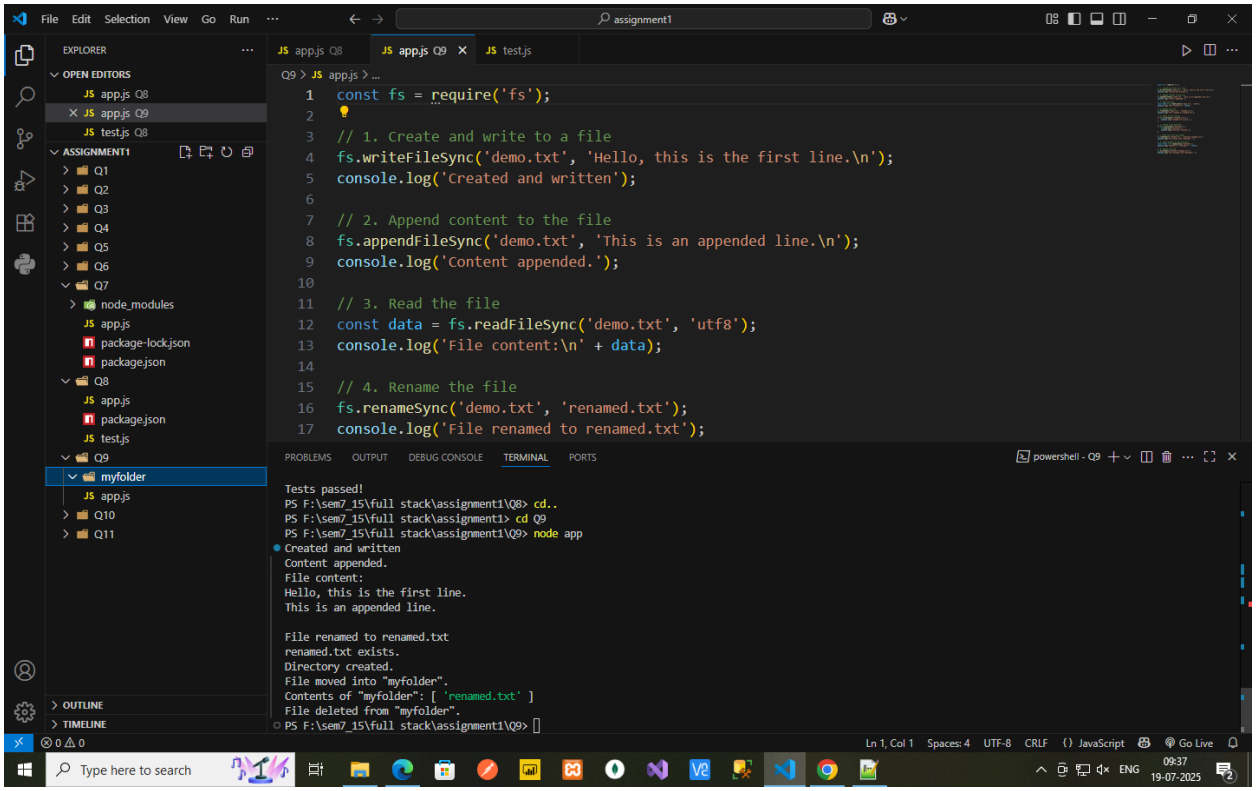
Q8)



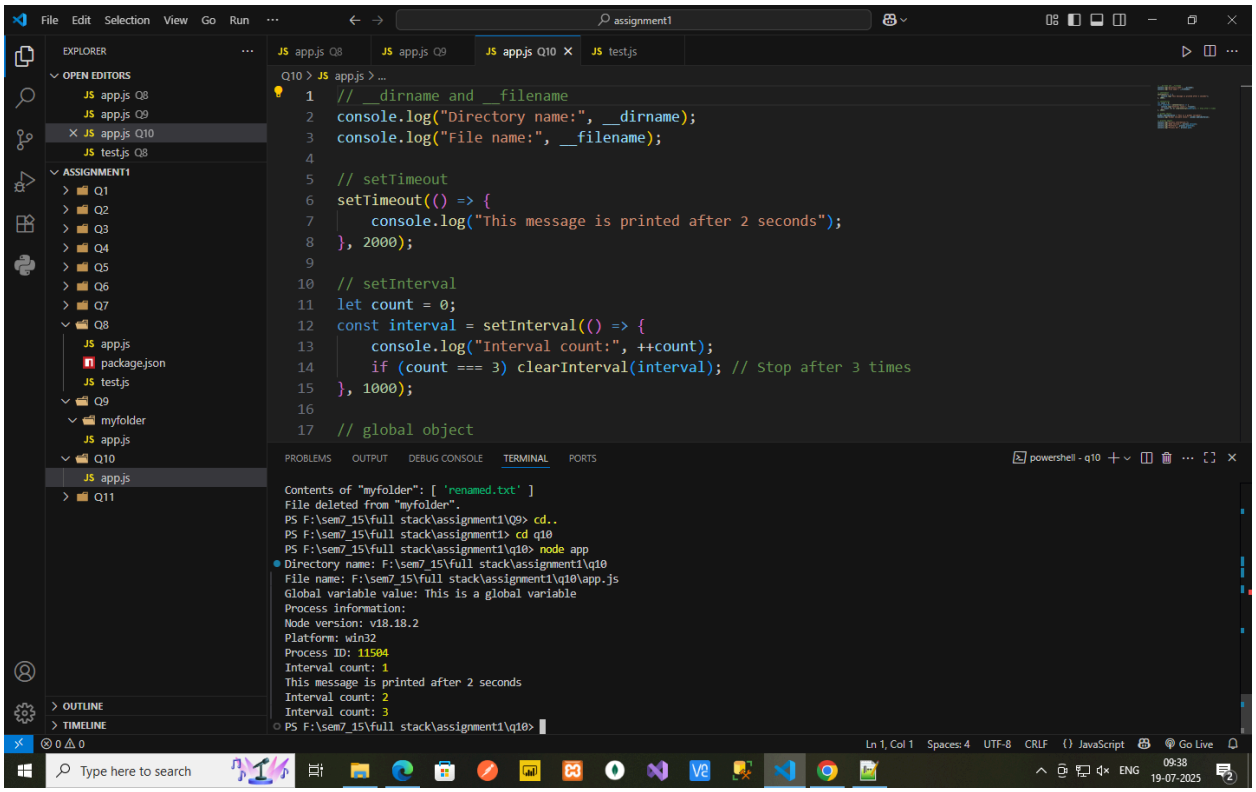
```
{
  "name": "q8",
  "version": "1.0.0",
  "description": "Custom Script Project",
  "main": "app.js",
  ▷Debug
  "scripts": {
    "start":"node app.js",
    "test": "node test.js",
    "hello":"echo 'Hello this is a custom Script'",
    "start-dev":"nodemon app.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}
```

```
<meta content="/images/branding/googleg/1x/googleg_standard_color_128dp.png" itemprop="image"><title>Google</title><script nonce="RPyeZVoykpOdCi58ojF1-A">(fu
nction(){var _g={kEI:'9xh7aPb8EN2w5OUP3v6coAE',kEXPI:'0,202792,62,2,3497403,681,444,538661,14111,64702,360901,226411,2,63631,11106,5230575,5992078,30820565,2
5279871,5,26822,60251,14110,2
PS F:\sem7_15\full stack\assignment1\Q7> cd..
PS F:\sem7_15\full stack\assignment1> cd Q8
PS F:\sem7_15\full stack\assignment1\Q8> nodemon app.js
[nodemon] 3.1.4
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node app.js`
Server is running
[nodemon] clean exit - waiting for changes before restart
node app
PS F:\sem7_15\full stack\assignment1\Q8> node test
Tests passed!
PS F:\sem7_15\full stack\assignment1\Q8>
```

Q9)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q8
app.js Q9
test.js Q8
ASSIGNMENT1
Q1
Q2
Q3
Q4
Q5
Q6
Q7
node_modules
app.js
package-lock.json
package.json
Q8
app.js
package.json
test.js
Q9
myfolder
app.js
Q10
Q11
app.js Q8
app.js Q9
test.js
Q9 > app.js > ...
1 const fs = require('fs');
2
3 // 1. Create and write to a file
4 fs.writeFileSync('demo.txt', 'Hello, this is the first line.\n');
5 console.log('Created and written');
6
7 // 2. Append content to the file
8 fs.appendFileSync('demo.txt', 'This is an appended line.\n');
9 console.log('Content appended.');
10
11 // 3. Read the file
12 const data = fs.readFileSync('demo.txt', 'utf8');
13 console.log('File content:\n' + data);
14
15 // 4. Rename the file
16 fs.renameSync('demo.txt', 'renamed.txt');
17 console.log('File renamed to renamed.txt');
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - Q9
Tests passed!
PS F:\sem7_15\full stack\assignment1\Q8> cd..
PS F:\sem7_15\full stack\assignment1> cd Q9
PS F:\sem7_15\full stack\assignment1\Q9> node app
Created and written
Content appended.
File content:
Hello, this is the first line.
This is an appended line.
File renamed to renamed.txt
renamed.txt exists.
Directory created.
File moved into "myfolder".
Contents of "myfolder": ['renamed.txt']
File deleted from "myfolder".
PS F:\sem7_15\full stack\assignment1\Q9>
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Type here to search
ENG
09:37
19-07-2025

Q10)


File Edit Selection View Go Run
assignment1
EXPLORER
OPEN EDITORS
app.js Q8
app.js Q9
app.js Q10
test.js Q8
ASSIGNMENT1
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
app.js
package.json
test.js
Q9
myfolder
app.js
Q10
app.js
Q11
app.js Q8
app.js Q9
app.js Q10
test.js
Q10 > app.js > ...
1 // __dirname and __filename
2 console.log("Directory name:", __dirname);
3 console.log("File name:", __filename);
4
5 // setTimeout
6 setTimeout(() => {
7 console.log("This message is printed after 2 seconds");
8 }, 2000);
9
10 // setInterval
11 let count = 0;
12 const interval = setInterval(() => {
13 console.log("Interval count:", ++count);
14 if (count === 3) clearInterval(interval); // Stop after 3 times
15 }, 1000);
16
17 // global object
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell - q10
Contents of "myfolder": ['renamed.txt']
File deleted from "myfolder".
PS F:\sem7_15\full stack\assignment1\Q9> cd..
PS F:\sem7_15\full stack\assignment1> cd q10
PS F:\sem7_15\full stack\assignment1\q10> node app
Directory name: F:\sem7_15\full stack\assignment1\q10
File name: F:\sem7_15\full stack\assignment1\q10\app.js
Global variable value: This is a global variable
Process information:
Node version: v18.18.2
Platform: win32
Process ID: 11504
Interval count: 1
This message is printed after 2 seconds
Interval count: 2
Interval count: 3
PS F:\sem7_15\full stack\assignment1\q10>
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Type here to search
ENG
09:38
19-07-2025

Q11)

cap-converter

1.0.1 • Public • Published 3 days ago

Readme | Code Beta | 0 Dependencies | 0 Dependents

name-to-uppercase

A simple package that converts any name (or string) to uppercase.

Installation

```
npm install cap-converter
```

```
function capconvert(name) {
    return name.toUpperCase();
}

module.exports = {
    capconvert
};
```