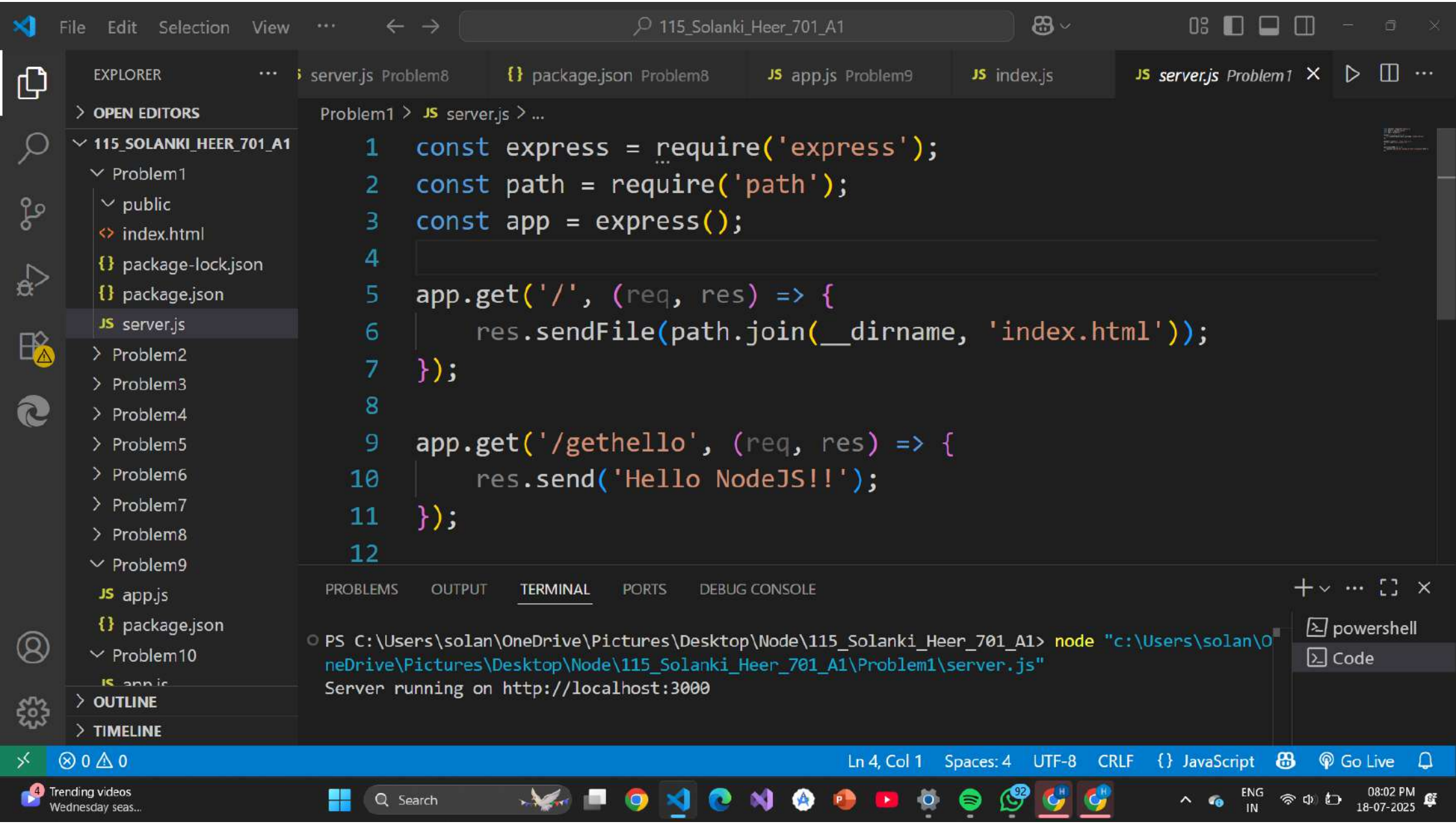
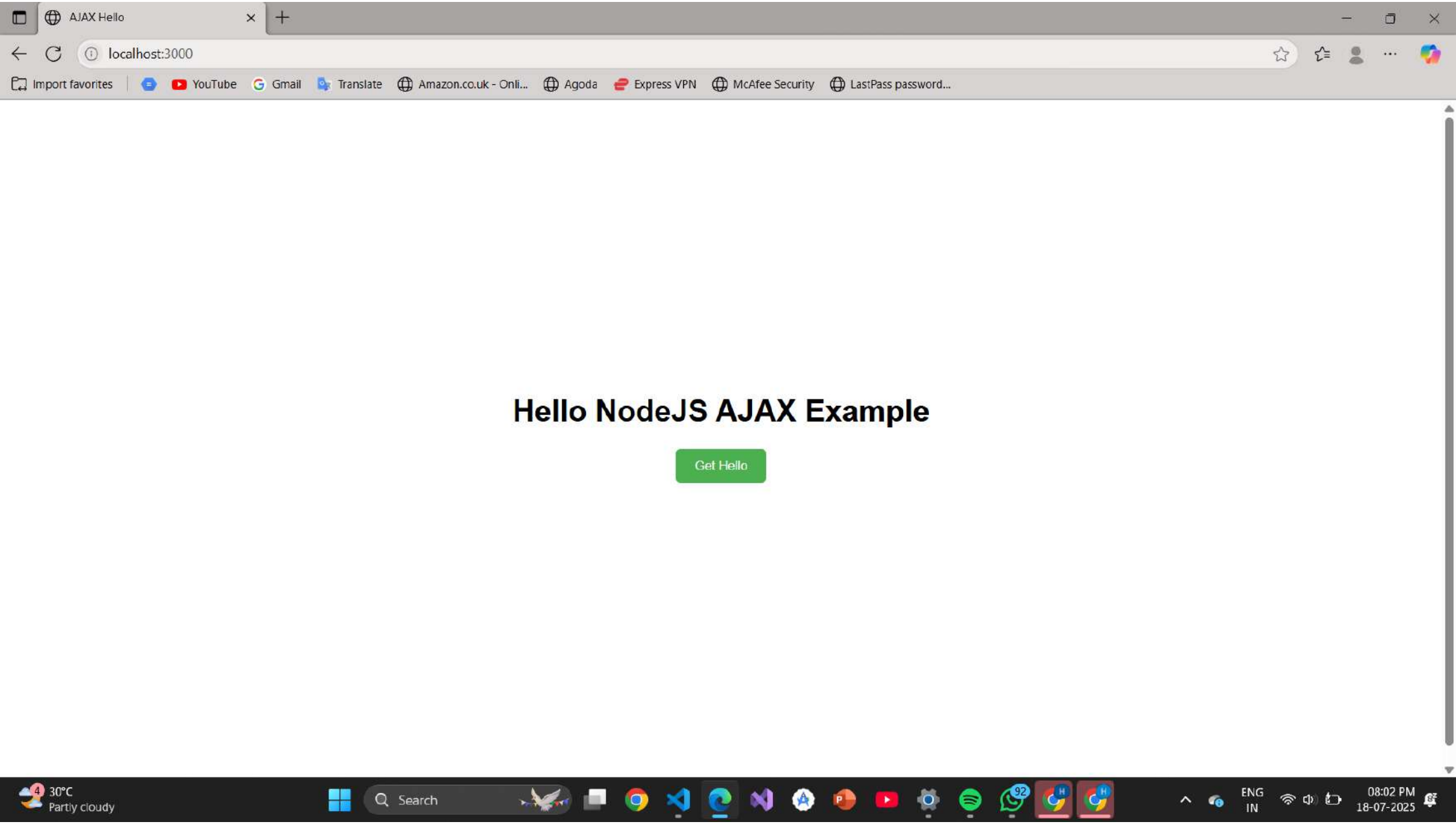
PRACTICAL ASSIGNMENT 1

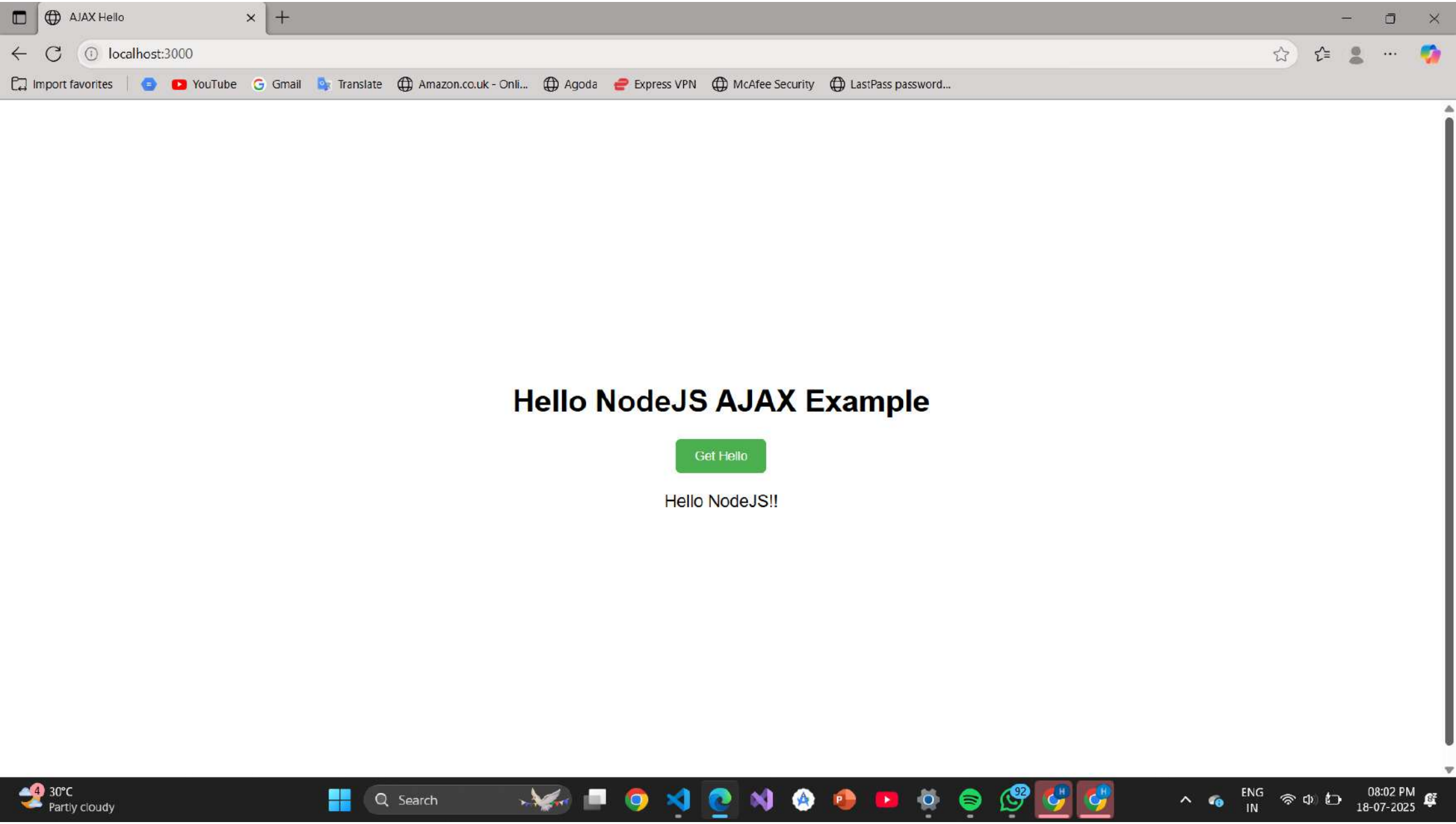
SOLANKI HEER RAJENDRASINH

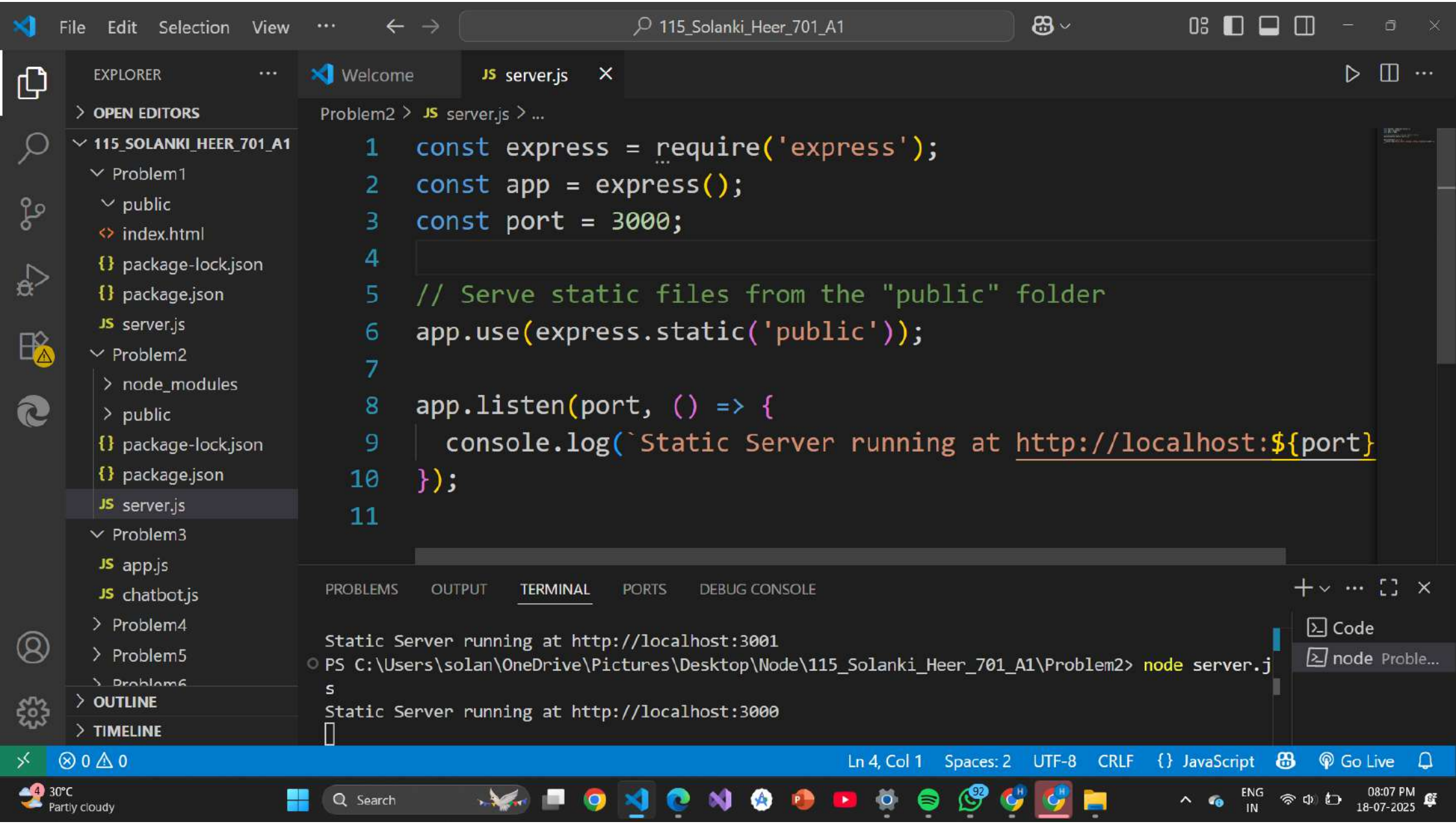
DIV.- B 115

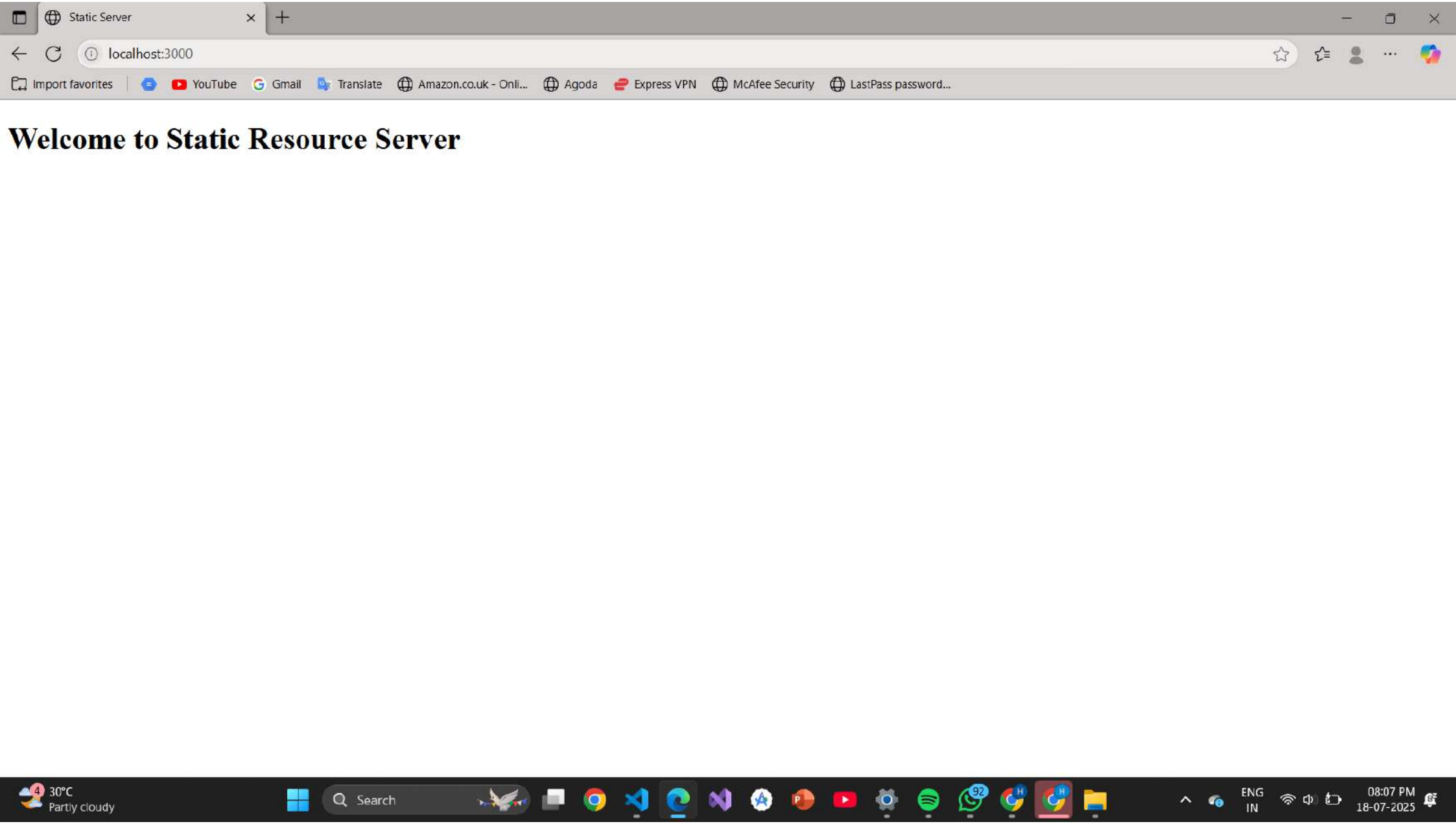
SUB: FULLSTACK PRACTICAL

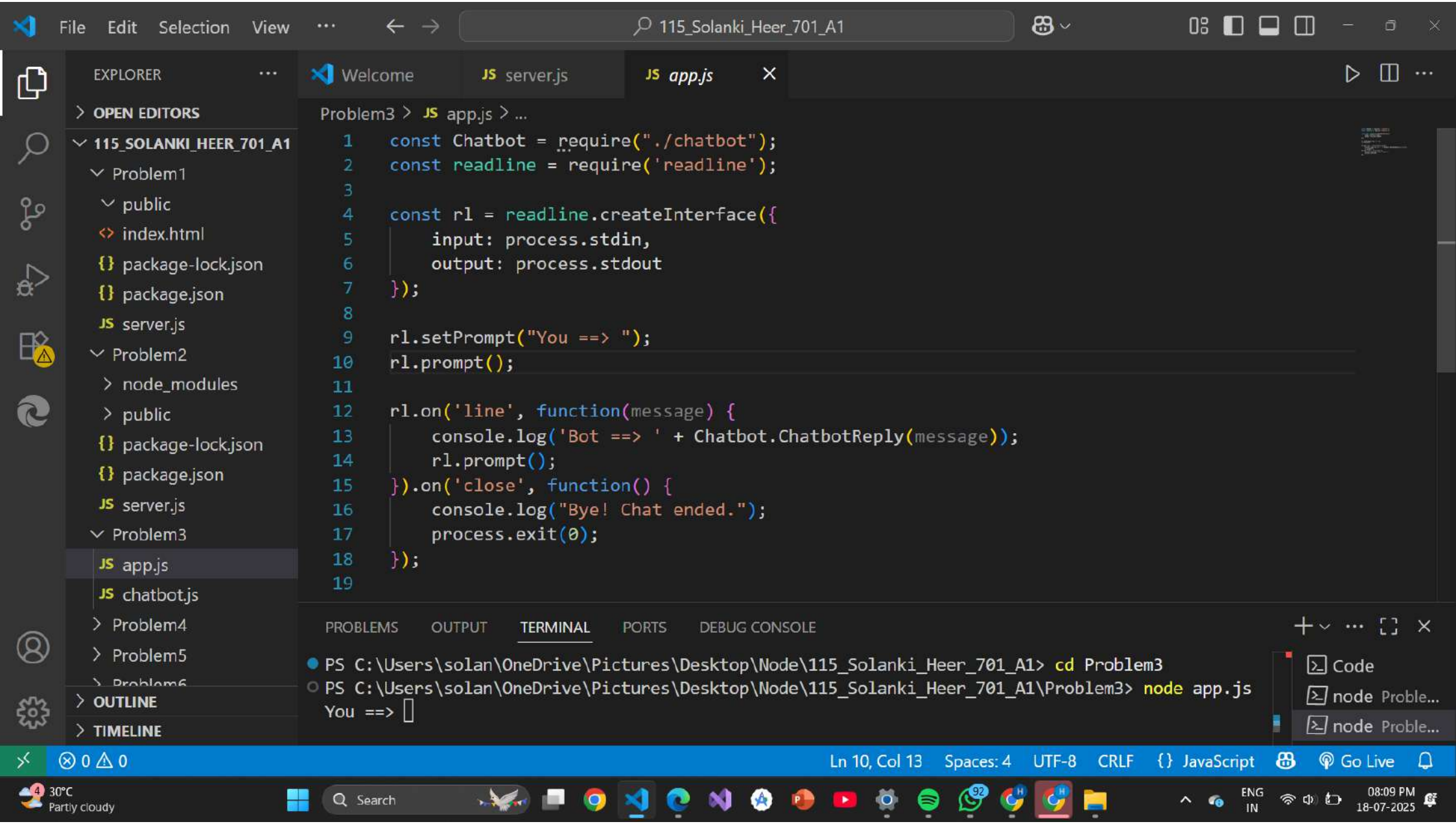

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
server.js Problem8
package.json Problem8
app.js Problem9
index.js
server.js Problem1
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
public
index.html
package-lock.json
package.json
server.js
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
app.js
package.json
Problem10
OUTLINE
TIMELINE
Problem1 > server.js > ...
1 const express = require('express');
2 const path = require('path');
3 const app = express();
4
5 app.get('/', (req, res) => {
6 res.sendFile(path.join(__dirname, 'index.html'));
7 });
8
9 app.get('/gethello', (req, res) => {
10 res.send('Hello NodeJS!!');
11 });
12
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem1\server.js"
Server running on http://localhost:3000
powershell
Code
Ln 4, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Trending videos
Wednesday seas...
Search
ENG
IN
08:02 PM
18-07-2025

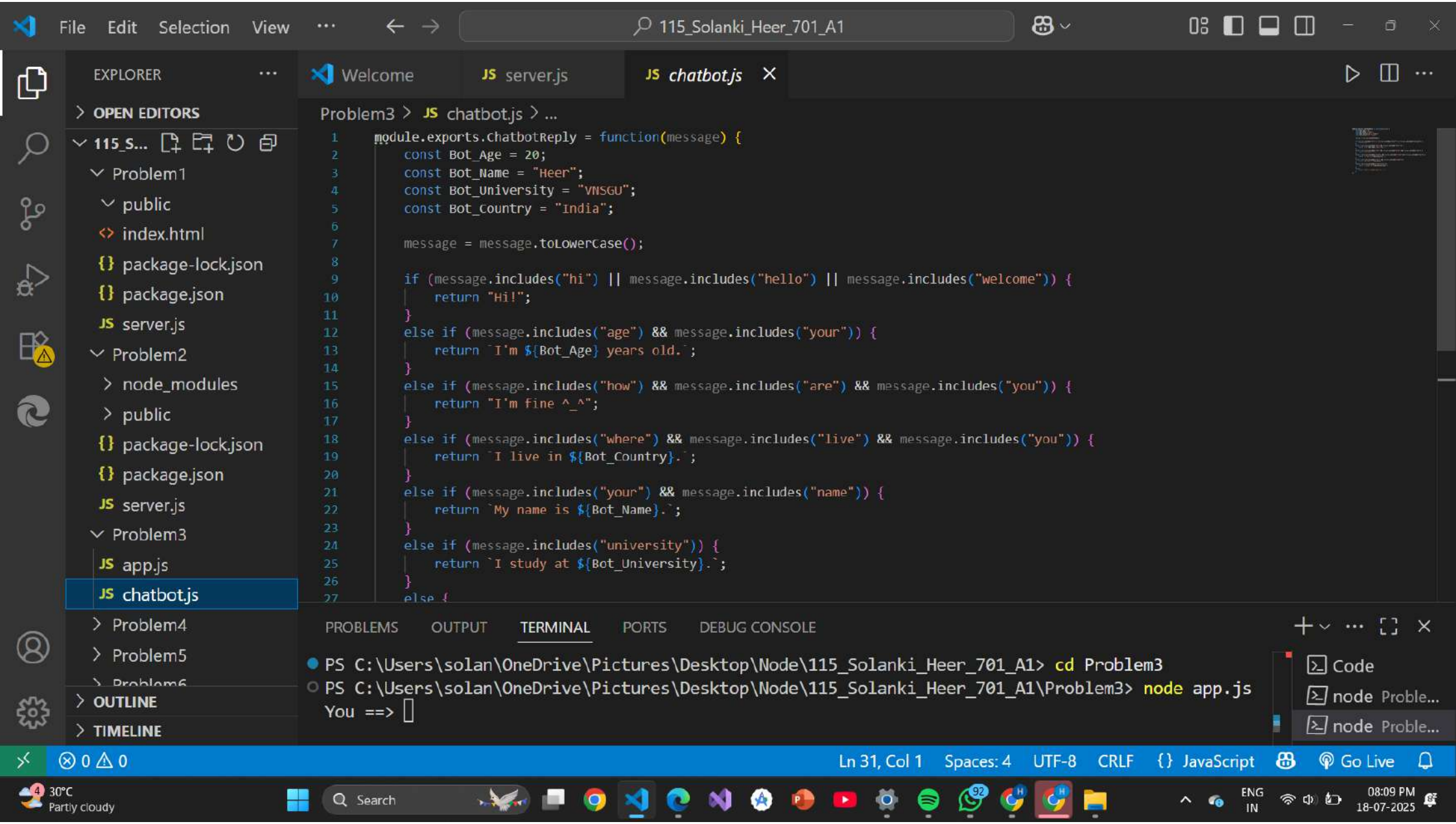

AJAX Hello
localhost:3000
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
Hello NodeJS AJAX Example
Get Hello
30°C
Partly cloudy
Search
ENG
IN
08:02 PM
18-07-2025

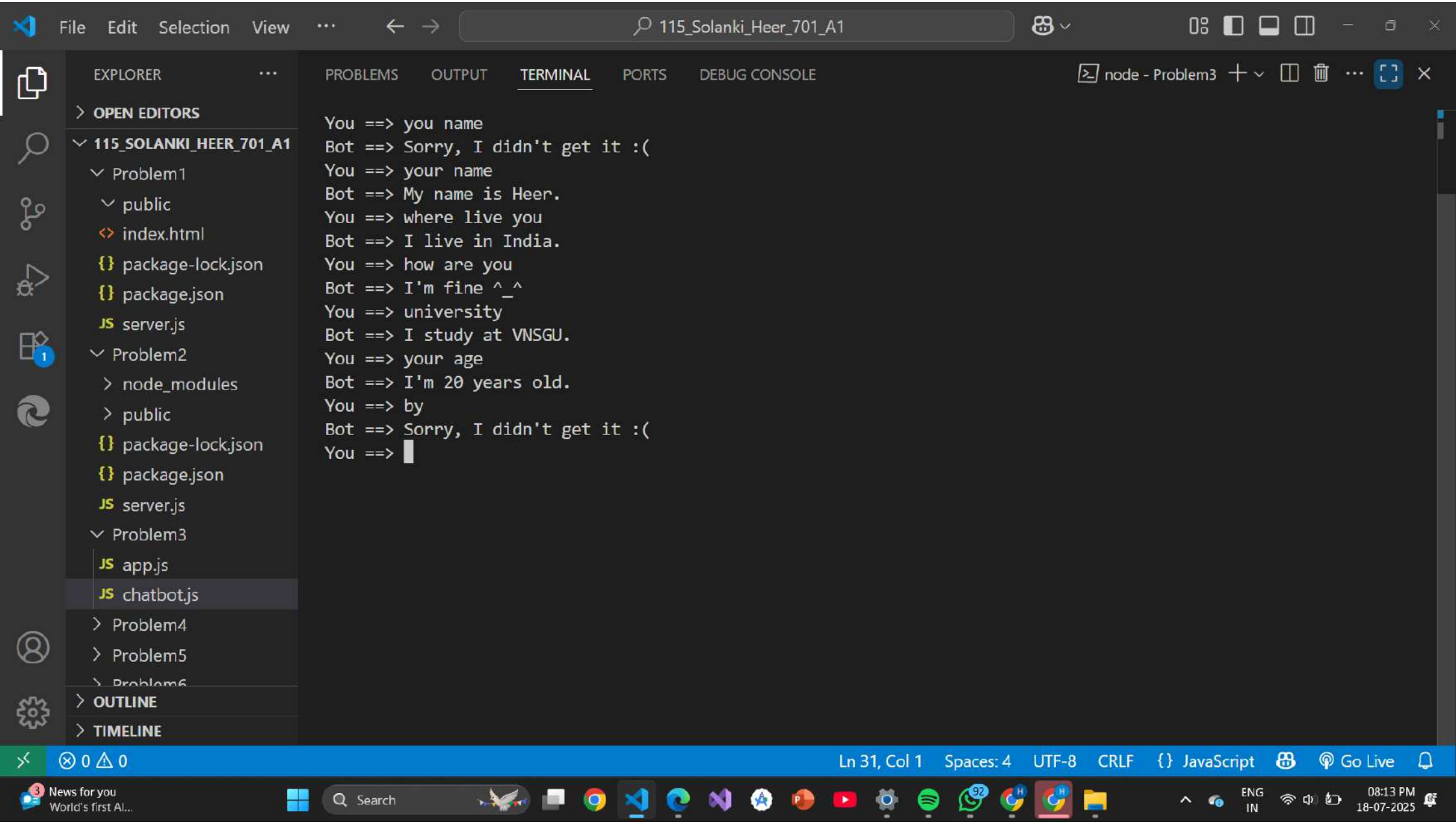

AJAX Hello
localhost:3000
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
Hello NodeJS AJAX Example
Get Hello
Hello NodeJS!!
30°C
Partly cloudy
Search
ENG
IN
08:02 PM
18-07-2025

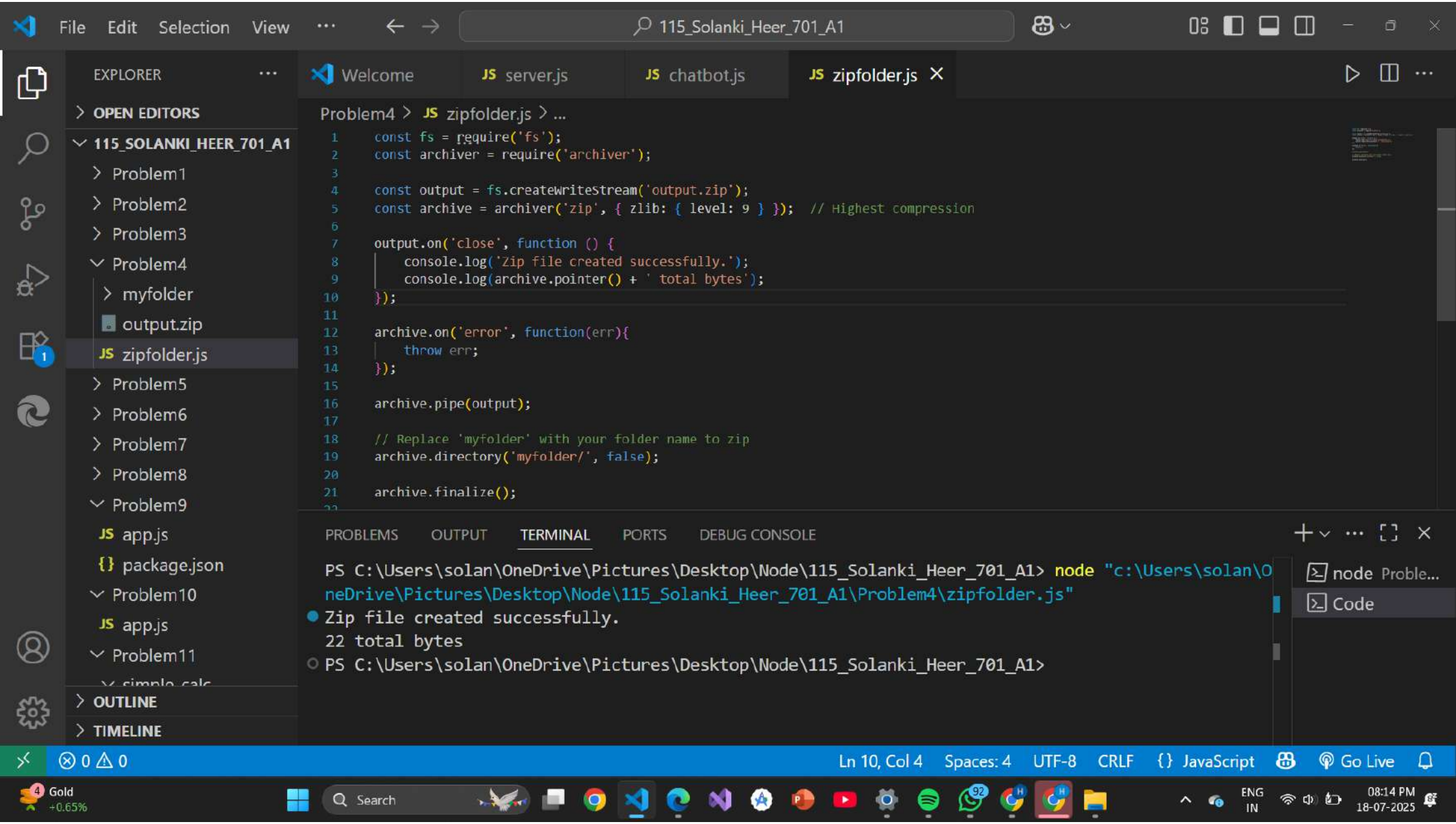

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
public
index.html
package-lock.json
package.json
server.js
Problem2
node_modules
public
package-lock.json
package.json
server.js
Problem3
app.js
chatbot.js
Problem4
Problem5
OUTLINE
TIMELINE
Welcome
server.js
Problem2 > server.js > ...
1 const express = require('express');
2 const app = express();
3 const port = 3000;
4
5 // Serve static files from the "public" folder
6 app.use(express.static('public'));
7
8 app.listen(port, () => {
9 console.log(`Static Server running at http://localhost:${port}
10 });
11
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Static Server running at http://localhost:3001
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem2> node server.j
s
Static Server running at http://localhost:3000
Code
node Proble...
0 0
Ln 4, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live
30°C
Partly cloudy
Search
ENG
IN
08:07 PM
18-07-2025

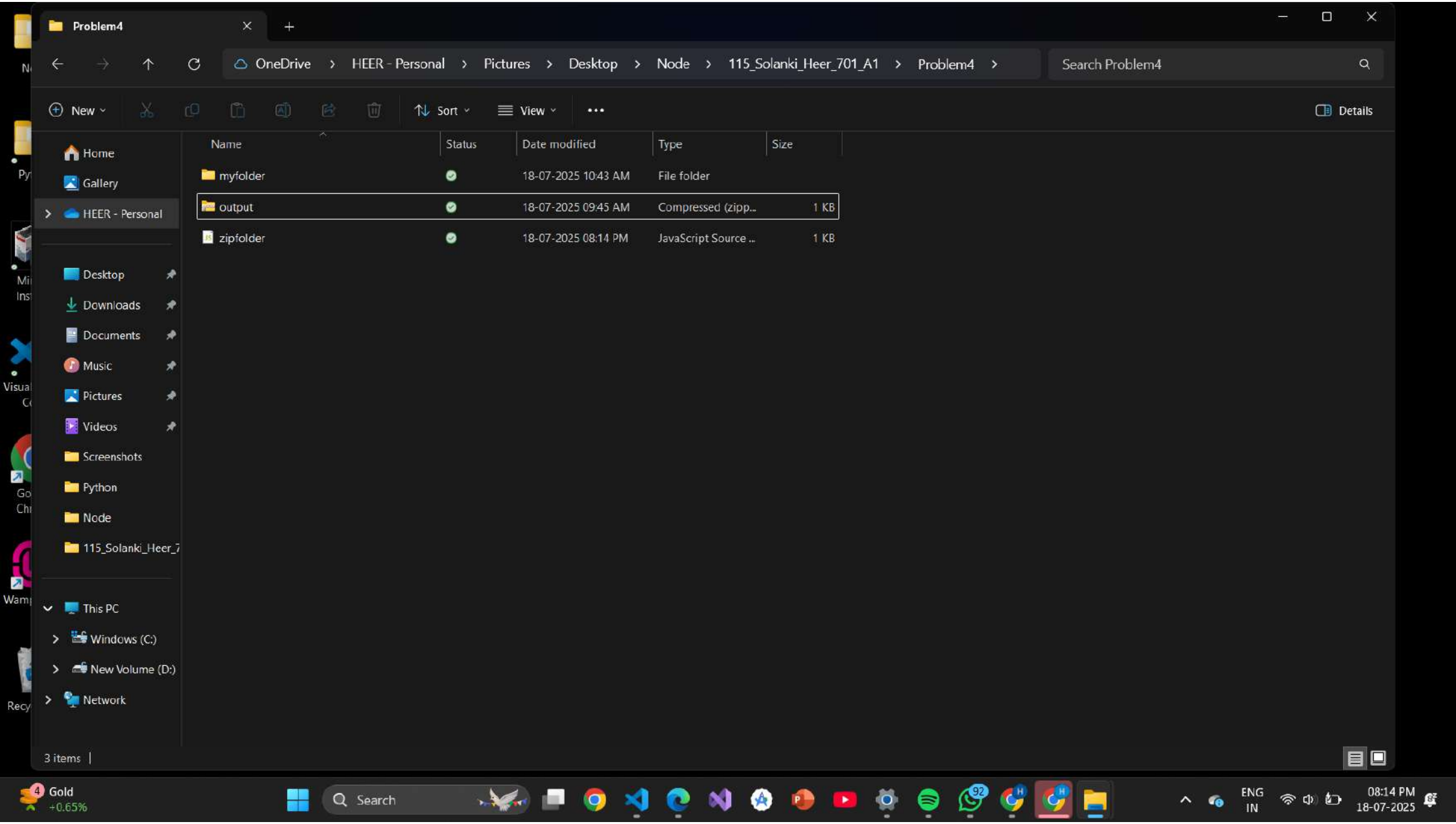

Static Server
localhost:3000
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
Welcome to Static Resource Server
30°C
Partly cloudy
Search
ENG
IN
08:07 PM
18-07-2025

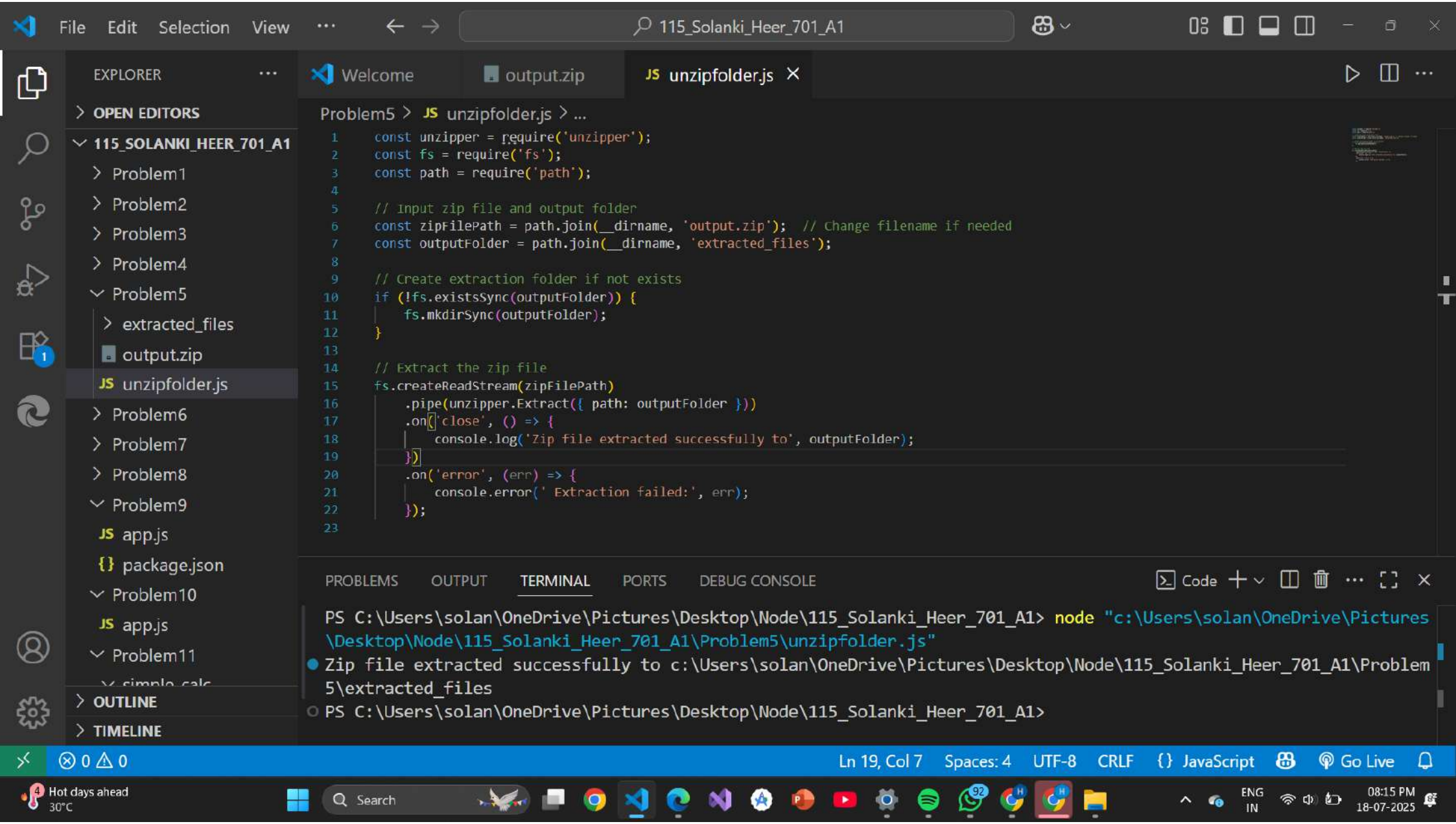

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
public
index.html
package-lock.json
package.json
server.js
Problem2
node_modules
public
package-lock.json
package.json
server.js
Problem3
app.js
chatbot.js
Problem4
Problem5
OUTLINE
TIMELINE
Welcome
server.js
app.js
Problem3 > app.js > ...
1 const Chatbot = require("./chatbot");
2 const readline = require('readline');
3
4 const rl = readline.createInterface({
5 input: process.stdin,
6 output: process.stdout
7 });
8
9 rl.setPrompt("You ==> ");
10 rl.prompt();
11
12 rl.on('line', function(message) {
13 console.log('Bot ==> ' + Chatbot.ChatbotReply(message));
14 rl.prompt();
15 }).on('close', function() {
16 console.log("Bye! Chat ended.");
17 process.exit(0);
18 });
19
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem3
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem3> node app.js
You ==>
Code
node Proble...
node Proble...
Ln 10, Col 13 Spaces: 4 UTF-8 CRLF JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:09 PM 18-07-2025

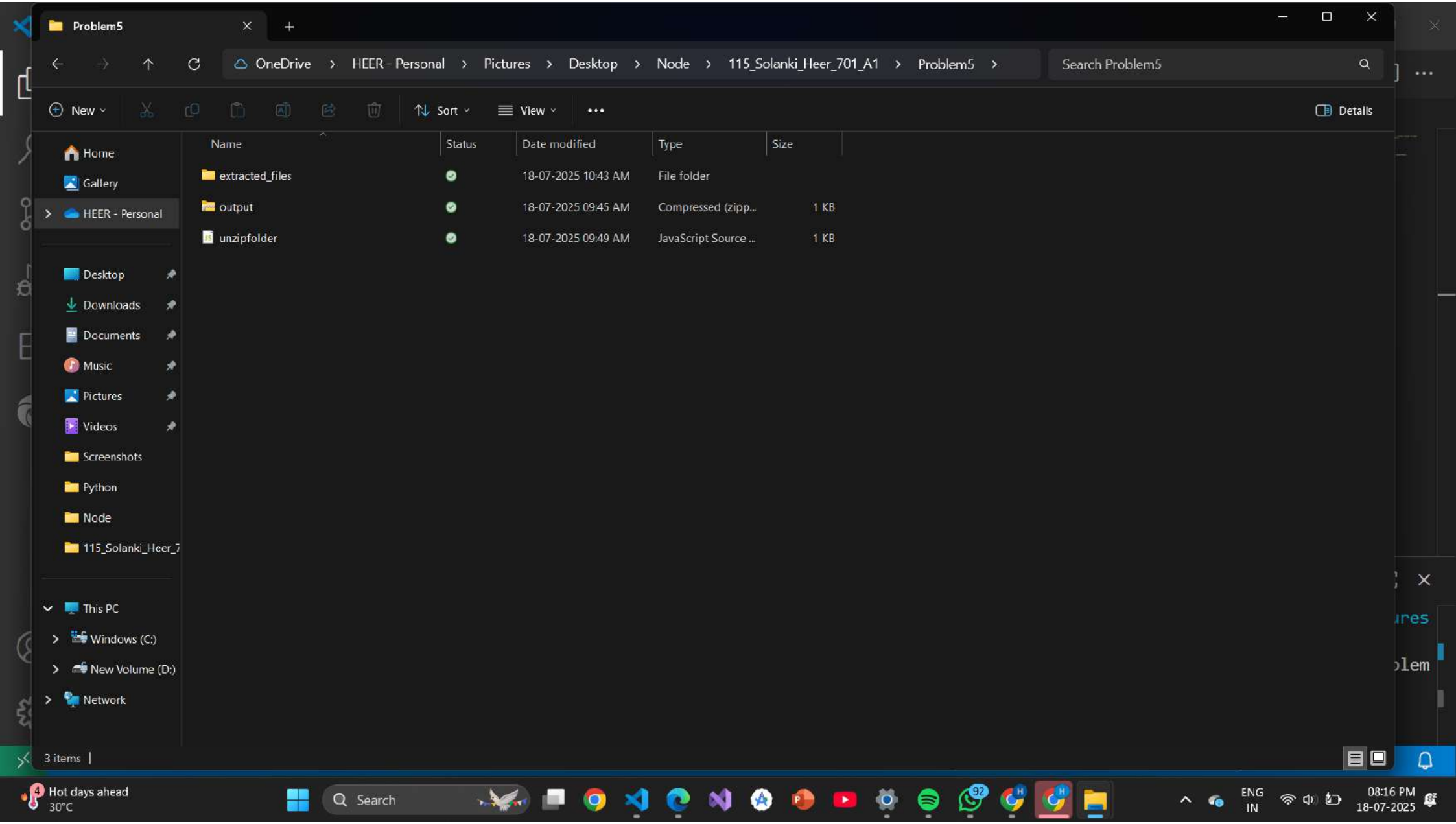

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_S...
Problem1
public
index.html
package-lock.json
package.json
server.js
Problem2
node_modules
public
package-lock.json
package.json
server.js
Problem3
app.js
chatbot.js
Problem4
Problem5
OUTLINE
TIMELINE
Welcome
server.js
chatbot.js
Problem3 > chatbot.js > ...
module.exports.chatbotReply = function(message) {
const Bot_Age = 20;
const Bot_Name = "Heer";
const Bot_University = "VNSGU";
const Bot_Country = "India";
message = message.toLowerCase();
if (message.includes("hi") || message.includes("hello") || message.includes("welcome")) {
return "Hi!";
}
else if (message.includes("age") && message.includes("your")) {
return `I'm ${Bot_Age} years old.`;
}
else if (message.includes("how") && message.includes("are") && message.includes("you")) {
return "I'm fine ^_^";
}
else if (message.includes("where") && message.includes("live") && message.includes("you")) {
return `I live in ${Bot_Country}.`;
}
else if (message.includes("your") && message.includes("name")) {
return `My name is ${Bot_Name}.`;
}
else if (message.includes("university")) {
return `I study at ${Bot_University}.`;
}
else {
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem3
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem3> node app.js
You ==>
Code
node Proble...
node Proble...
Ln 31, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:09 PM 18-07-2025

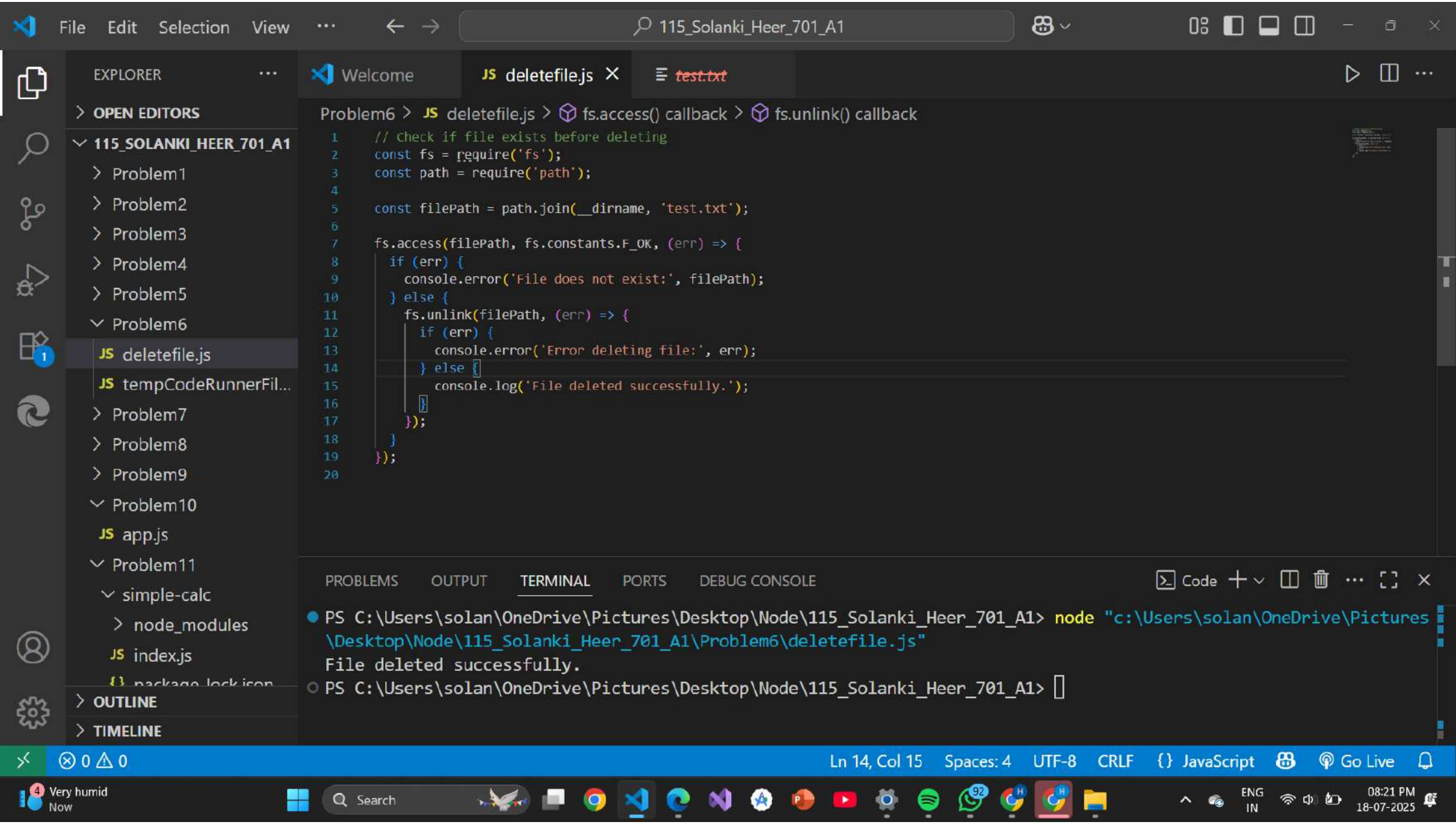

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
public
index.html
package-lock.json
package.json
server.js
Problem2
node_modules
public
package-lock.json
package.json
server.js
Problem3
app.js
chatbot.js
Problem4
Problem5
OUTLINE
TIMELINE
PROBLEMS
OUTPUT
TERMINAL
PORTS
DEBUG CONSOLE
node - Problem3
You ==> you name
Bot ==> Sorry, I didn't get it :(
You ==> your name
Bot ==> My name is Heer.
You ==> where live you
Bot ==> I live in India.
You ==> how are you
Bot ==> I'm fine ^_^
You ==> university
Bot ==> I study at VNSGU.
You ==> your age
Bot ==> I'm 20 years old.
You ==> by
Bot ==> Sorry, I didn't get it :(
You ==>
Ln 31, Col 1
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
News for you
World's first AI...
Search
ENG
IN
08:13 PM
18-07-2025

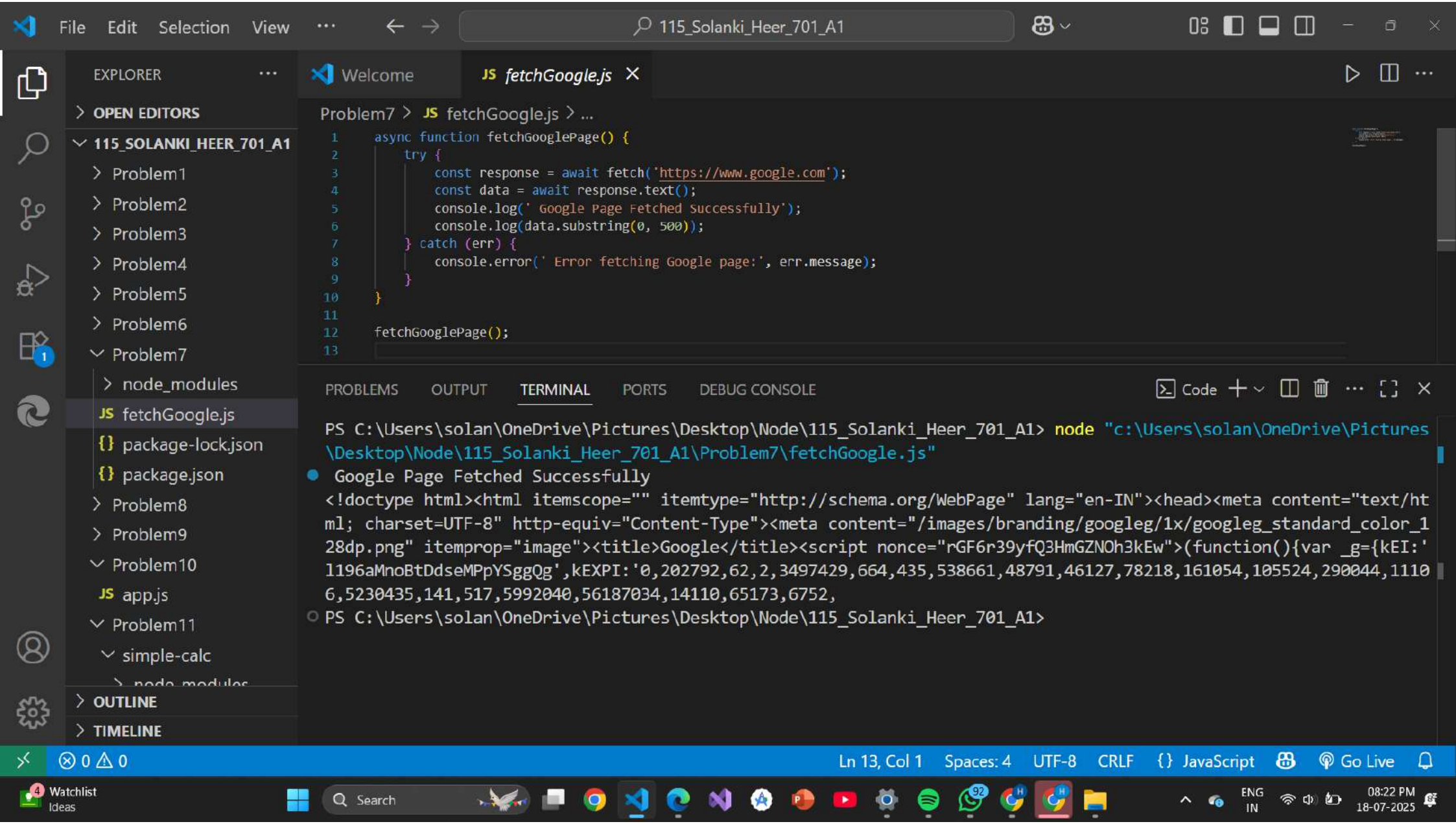

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
myfolder
output.zip
zipfolder.js
Problem5
Problem6
Problem7
Problem8
Problem9
app.js
package.json
Problem10
app.js
Problem11
OUTLINE
TIMELINE
Welcome
server.js
chatbot.js
zipfolder.js
Problem4 > zipfolder.js > ...
const fs = require('fs');
const archiver = require('archiver');
const output = fs.createWriteStream('output.zip');
const archive = archiver('zip', { zlib: { level: 9 } }); // Highest compression
output.on('close', function () {
console.log('Zip file created successfully.');
console.log(archive.pointer() + ' total bytes');
});
archive.on('error', function(err){
throw err;
});
archive.pipe(output);
// Replace 'myfolder' with your folder name to zip
archive.directory('myfolder/', false);
archive.finalize();
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem4\zipfolder.js"
Zip file created successfully.
22 total bytes
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
node Proble...
Code
Ln 10, Col 4 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Gold +0.65%
Search
ENG IN
08:14 PM 18-07-2025

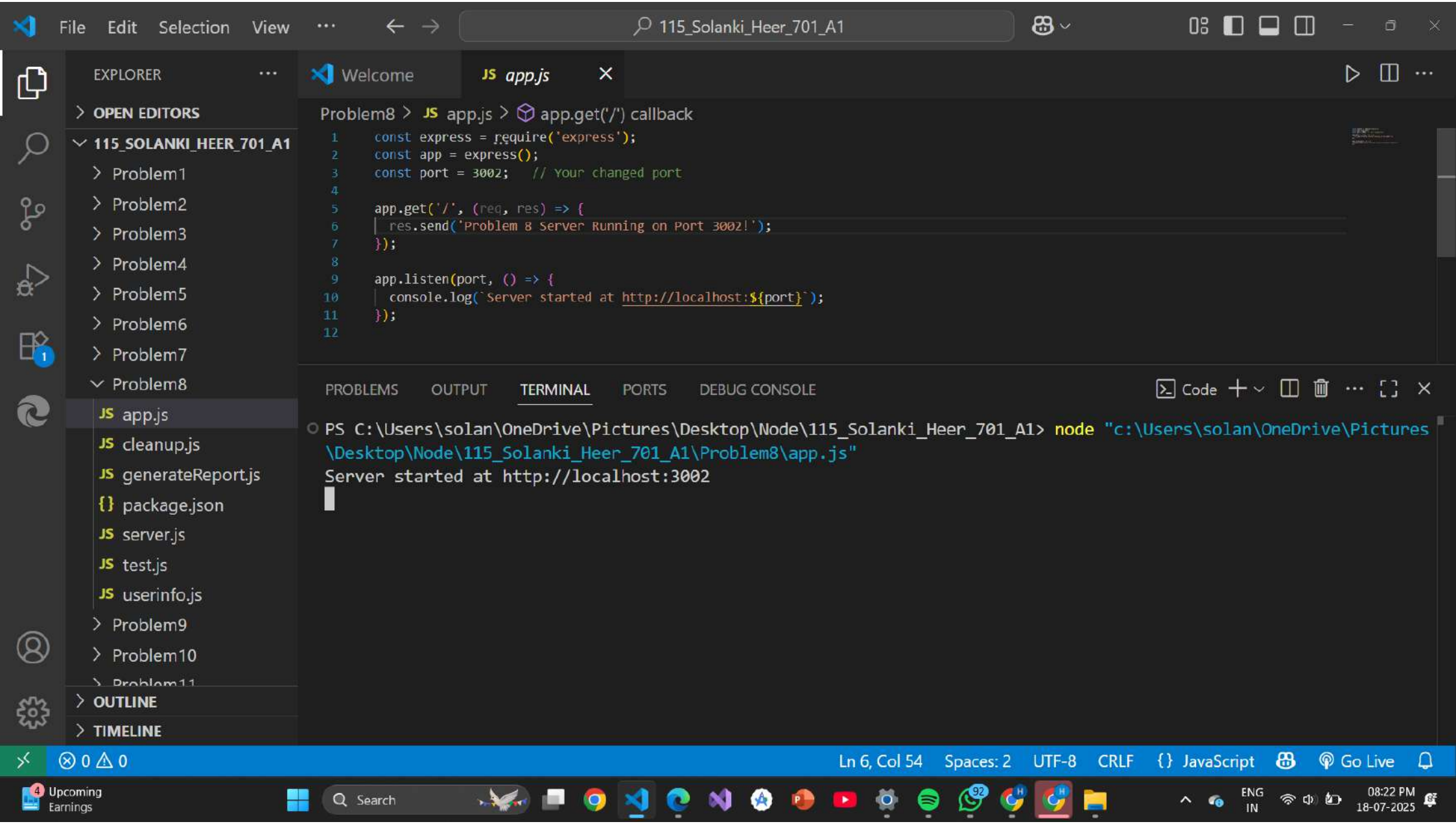

Problem4
OneDrive › HEER - Personal › Pictures › Desktop › Node › 115_Solanki_Heer_701_A1 › Problem4 ›
Search Problem4
New
Sort
View
Details
Home
Gallery
HEER - Personal
Desktop
Downloads
Documents
Music
Pictures
Videos
Screenshots
Python
Node
115_Solanki_Heer_7
This PC
Windows (C:)
New Volume (D:)
Network
Name
Status
Date modified
Type
Size
myfolder
18-07-2025 10:43 AM
File folder
output
18-07-2025 09:45 AM
Compressed (zipp...
1 KB
zipfolder
18-07-2025 08:14 PM
JavaScript Source ...
1 KB
3 items
Gold
+0.65%
Search
ENG
IN
08:14 PM
18-07-2025

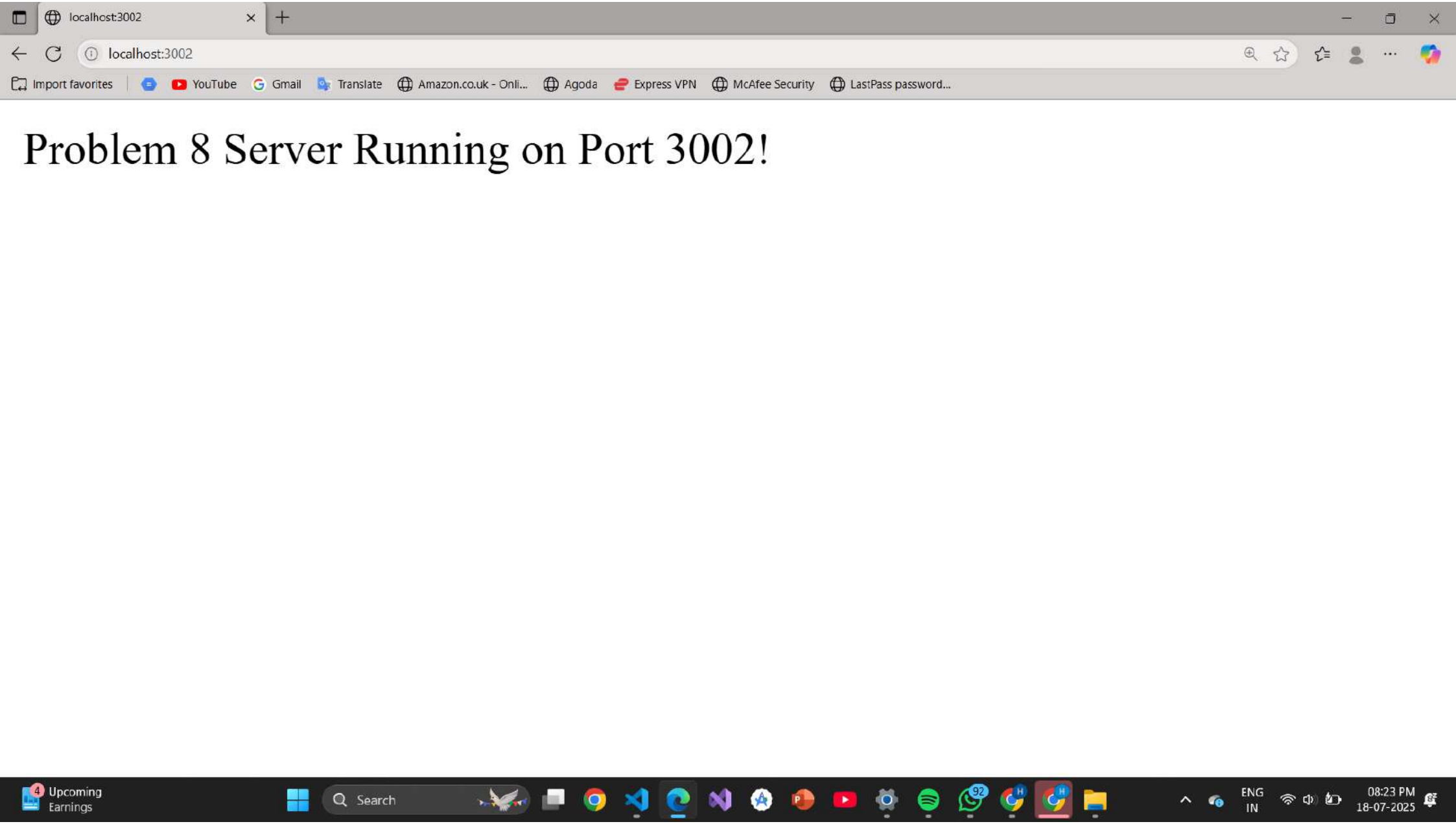

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
extracted_files
output.zip
unzipfolder.js
Problem6
Problem7
Problem8
Problem9
app.js
package.json
Problem10
app.js
Problem11
OUTLINE
TIMELINE
Welcome
output.zip
unzipfolder.js
Problem5 > unzipfolder.js > ...
1 const unzipper = require('unzipper');
2 const fs = require('fs');
3 const path = require('path');
4
5 // Input zip file and output folder
6 const zipFilePath = path.join(__dirname, 'output.zip'); // Change filename if needed
7 const outputFolder = path.join(__dirname, 'extracted_files');
8
9 // Create extraction folder if not exists
10 if (!fs.existsSync(outputFolder)) {
11 fs.mkdirSync(outputFolder);
12 }
13
14 // Extract the zip file
15 fs.createReadStream(zipFilePath)
16 .pipe(unzipper.Extract({ path: outputFolder }))
17 .on('close', () => {
18 console.log('Zip file extracted successfully to', outputFolder);
19 })
20 .on('error', (err) => {
21 console.error(' Extraction failed:', err);
22 });
23
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem5\unzipfolder.js"
Zip file extracted successfully to c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem5\extracted_files
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
0 0
Ln 19, Col 7 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
Hot days ahead
30°C
Search
ENG
IN
08:15 PM
18-07-2025

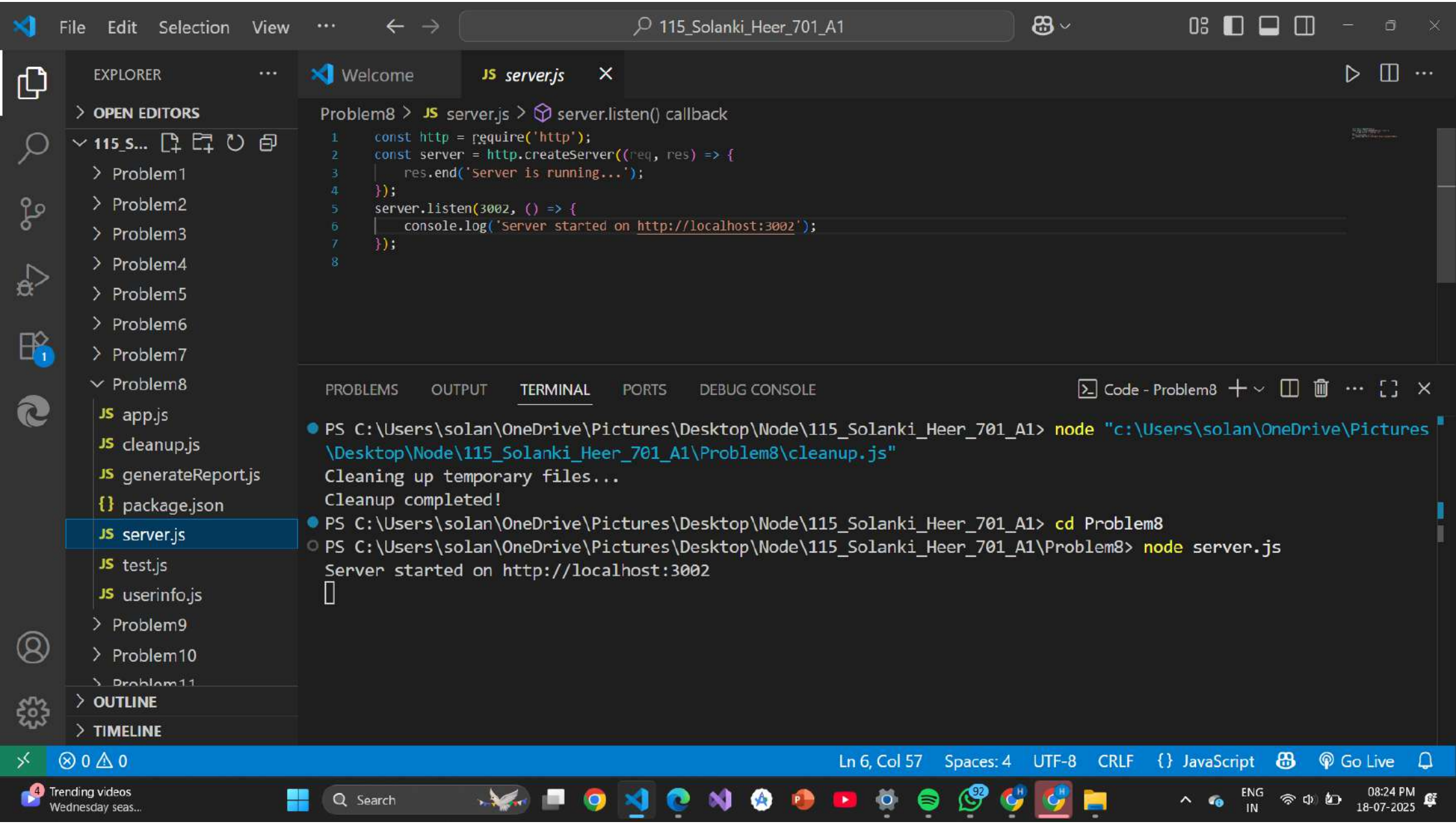

Problem5
OneDrive › HEER - Personal › Pictures › Desktop › Node › 115_Solanki_Heer_701_A1 › Problem5 ›
Search Problem5
New
Sort
View
Details
Home
Gallery
HEER - Personal
Desktop
Downloads
Documents
Music
Pictures
Videos
Screenshots
Python
Node
115_Solanki_Heer_7
This PC
Windows (C:)
New Volume (D:)
Network
Name
Status
Date modified
Type
Size
extracted_files
18-07-2025 10:43 AM
File folder
output
18-07-2025 09:45 AM
Compressed (zipp...
1 KB
unzipfolder
18-07-2025 09:49 AM
JavaScript Source ...
1 KB
3 items
Hot days ahead
30°C
Search
ENG
IN
08:16 PM
18-07-2025

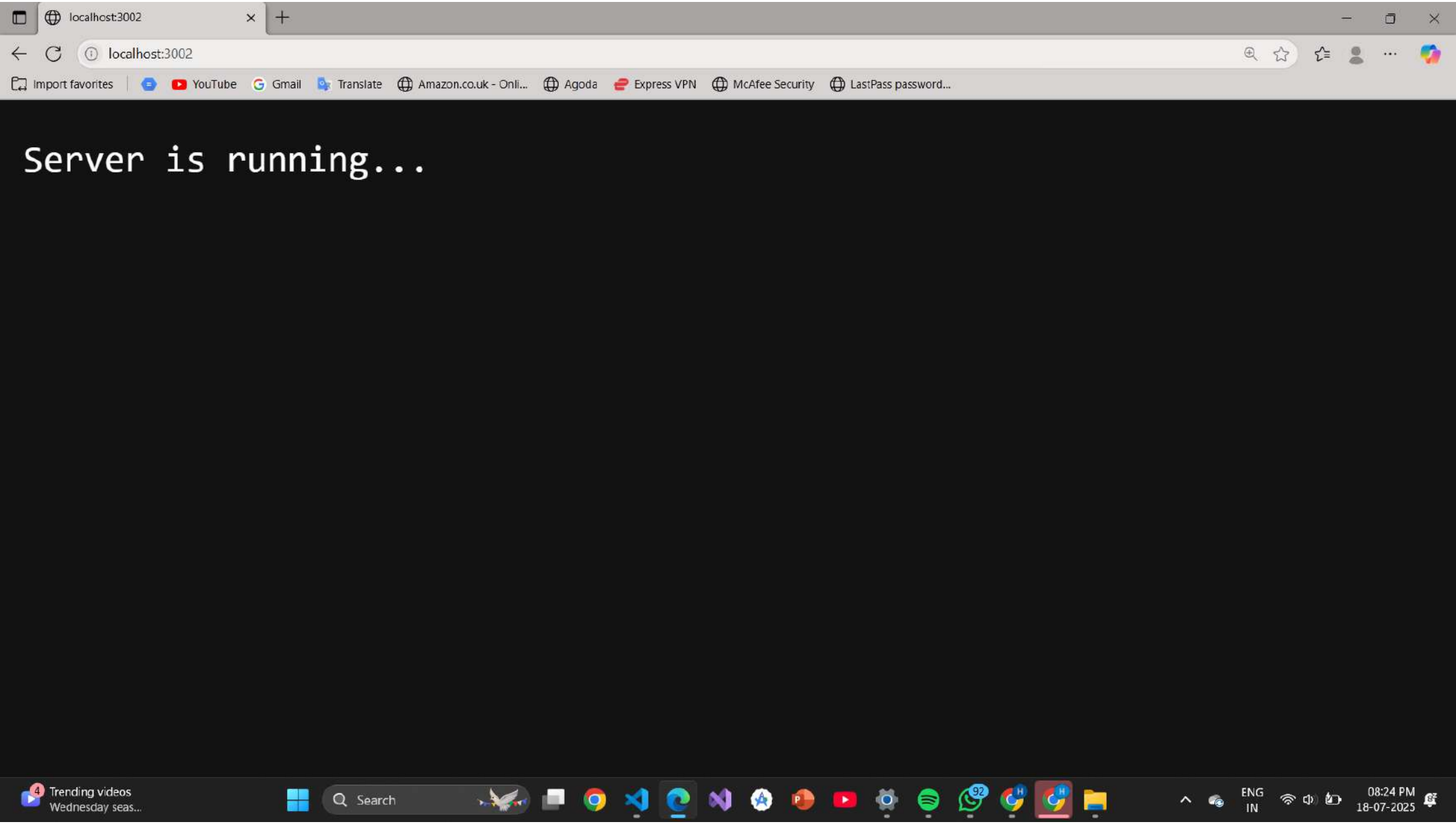

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
deletefile.js
tempCodeRunnerFil...
Problem7
Problem8
Problem9
Problem10
app.js
Problem11
simple-calc
node_modules
index.js
OUTLINE
TIMELINE
Welcome
deletefile.js
test.txt
Problem6 > deletefile.js > fs.access() callback > fs.unlink() callback
// Check if file exists before deleting
const fs = require('fs');
const path = require('path');
const filePath = path.join(__dirname, 'test.txt');
fs.access(filePath, fs.constants.F_OK, (err) => {
if (err) {
console.error('File does not exist:', filePath);
} else {
fs.unlink(filePath, (err) => {
if (err) {
console.error('Error deleting file:', err);
} else {
console.log('File deleted successfully.');
}
});
}
});
PROBLEMS
OUTPUT
TERMINAL
PORTS
DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem6\deletefile.js"
File deleted successfully.
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
0 0
Ln 14, Col 15
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
Very humid
Now
Search
ENG
IN
08:21 PM
18-07-2025

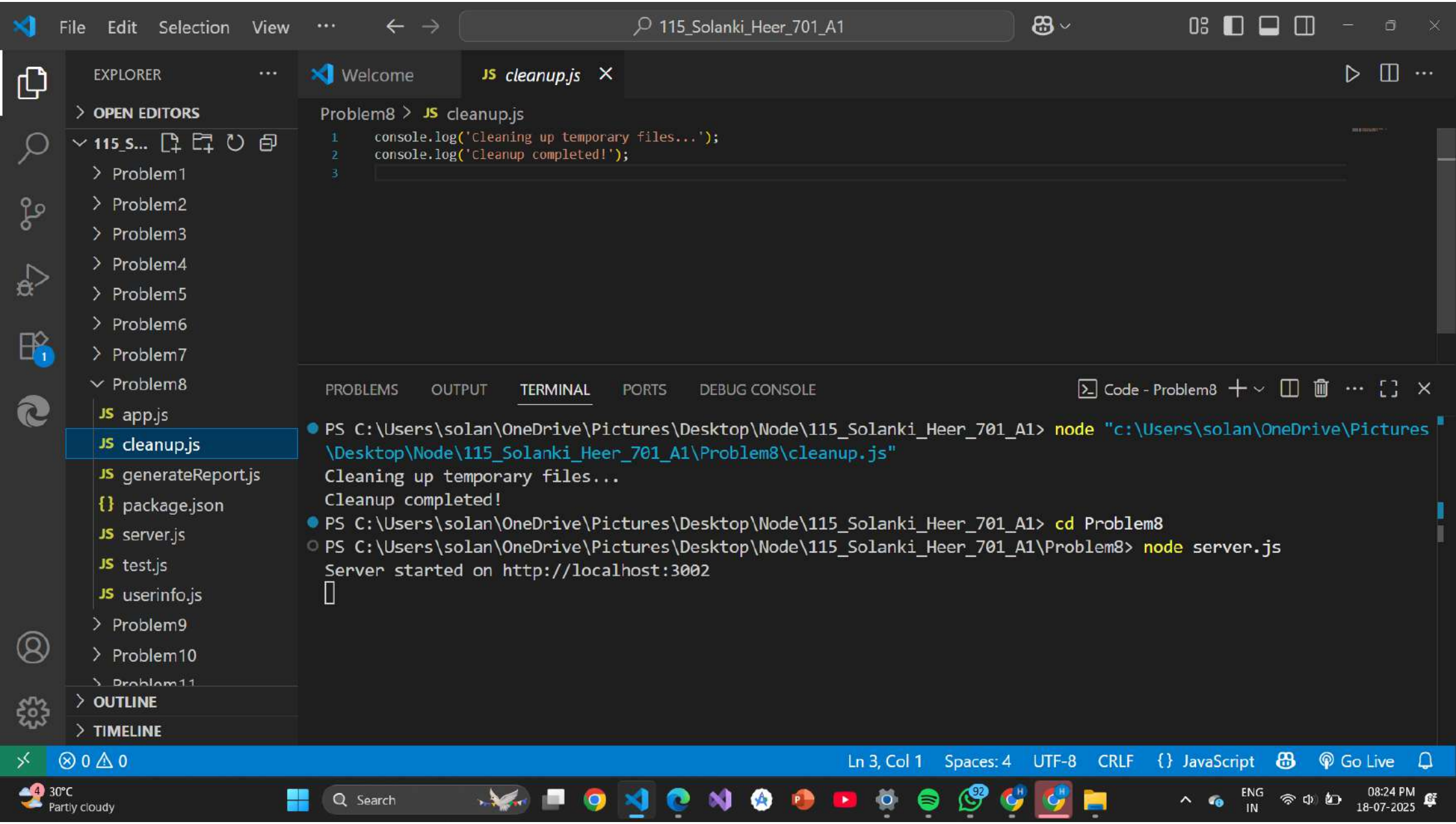

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
node_modules
fetchGoogle.js
package-lock.json
package.json
Problem8
Problem9
Problem10
app.js
Problem11
simple-calc
OUTLINE
TIMELINE
Welcome
fetchGoogle.js
Problem7 > fetchGoogle.js > ...
1 async function fetchGooglePage() {
2 try {
3 const response = await fetch('https://www.google.com');
4 const data = await response.text();
5 console.log(' Google Page Fetched Successfully');
6 console.log(data.substring(0, 500));
7 } catch (err) {
8 console.error(' Error fetching Google page:', err.message);
9 }
10 }
11
12 fetchGooglePage();
13
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem7\fetchGoogle.js"
Google Page Fetched Successfully
<!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="rGF6r39yfQ3HmGZNOh3kEw">(function(){var _g={kEI:'1196aMnoBtDdseMPpYSggQg',kEXPI:'0,202792,62,2,3497429,664,435,538661,48791,46127,78218,161054,105524,290044,11106,5230435,141,517,5992040,56187034,14110,65173,6752,
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
0 0
Ln 13, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
Watchlist Ideas
Search
ENG IN
08:22 PM 18-07-2025

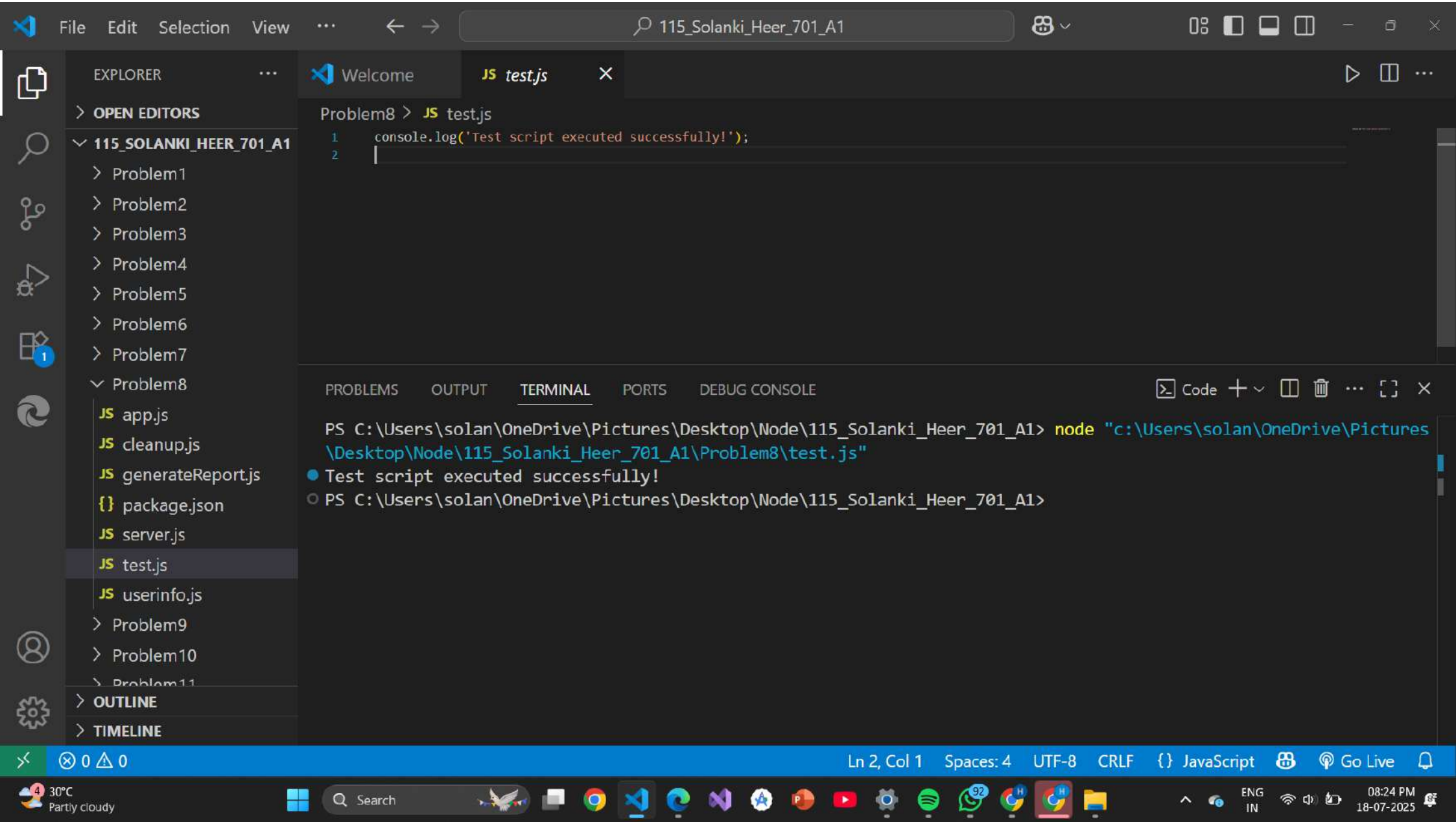

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
app.js
cleanup.js
generateReport.js
package.json
server.js
test.js
userinfo.js
Problem9
Problem10
OUTLINE
TIMELINE
Welcome
app.js
Problem8 > app.js > app.get('/') callback
const express = require('express');
const app = express();
const port = 3002; // Your changed port
app.get('/', (req, res) => {
res.send('Problem 8 Server Running on Port 3002!');
});
app.listen(port, () => {
console.log(`Server started at http://localhost:${port}`);
});
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8\app.js"
Server started at http://localhost:3002
0 0
Ln 6, Col 54 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live
Upcoming Earnings
Search
ENG IN
08:22 PM 18-07-2025

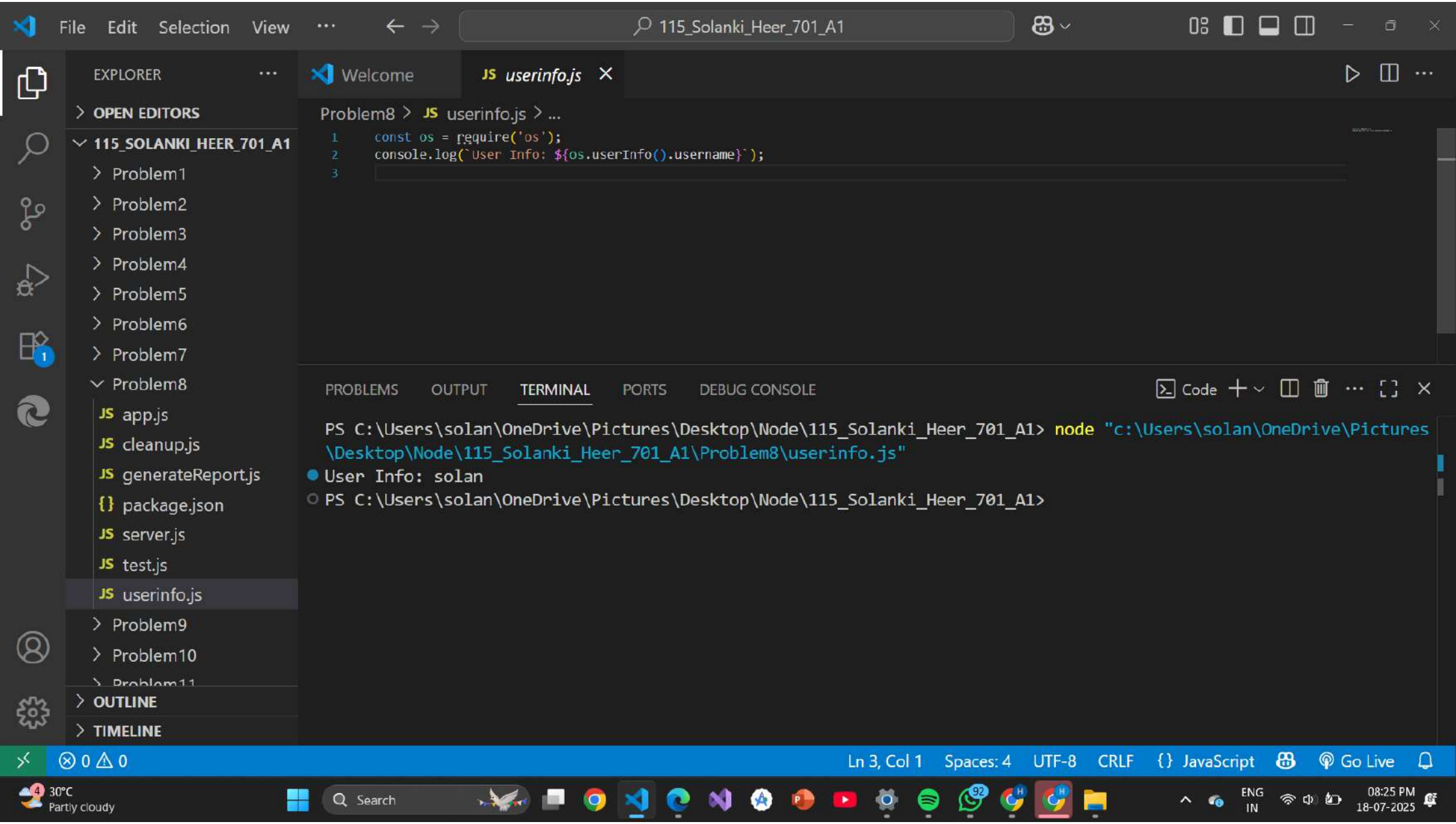

localhost:3002
localhost:3002
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
Problem 8 Server Running on Port 3002!
4 Upcoming Earnings
Search
ENG IN
08:23 PM 18-07-2025

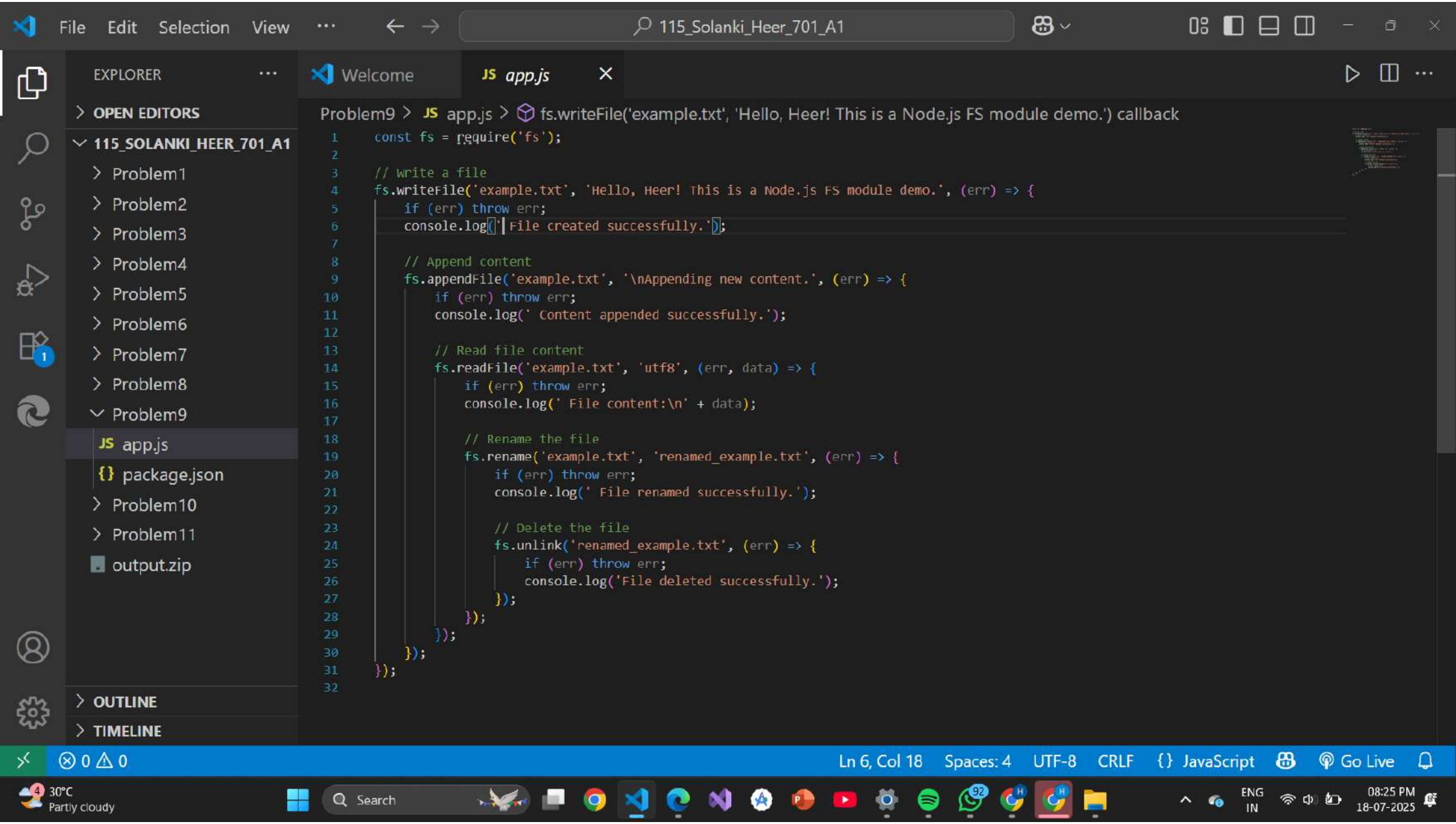

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_S...
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
app.js
cleanup.js
generateReport.js
package.json
server.js
test.js
userinfo.js
Problem9
Problem10
OUTLINE
TIMELINE
Welcome
server.js
Problem8 > server.js > server.listen() callback
1 const http = require('http');
2 const server = http.createServer((req, res) => {
3 res.end('server is running...');
4 });
5 server.listen(3002, () => {
6 console.log('Server started on http://localhost:3002');
7 });
8
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem8
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8\cleanup.js"
Cleaning up temporary files...
Cleanup completed!
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem8
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8> node server.js
Server started on http://localhost:3002
0 0
Ln 6, Col 57 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
Trending videos
Wednesday seas...
Search
ENG
IN
08:24 PM
18-07-2025

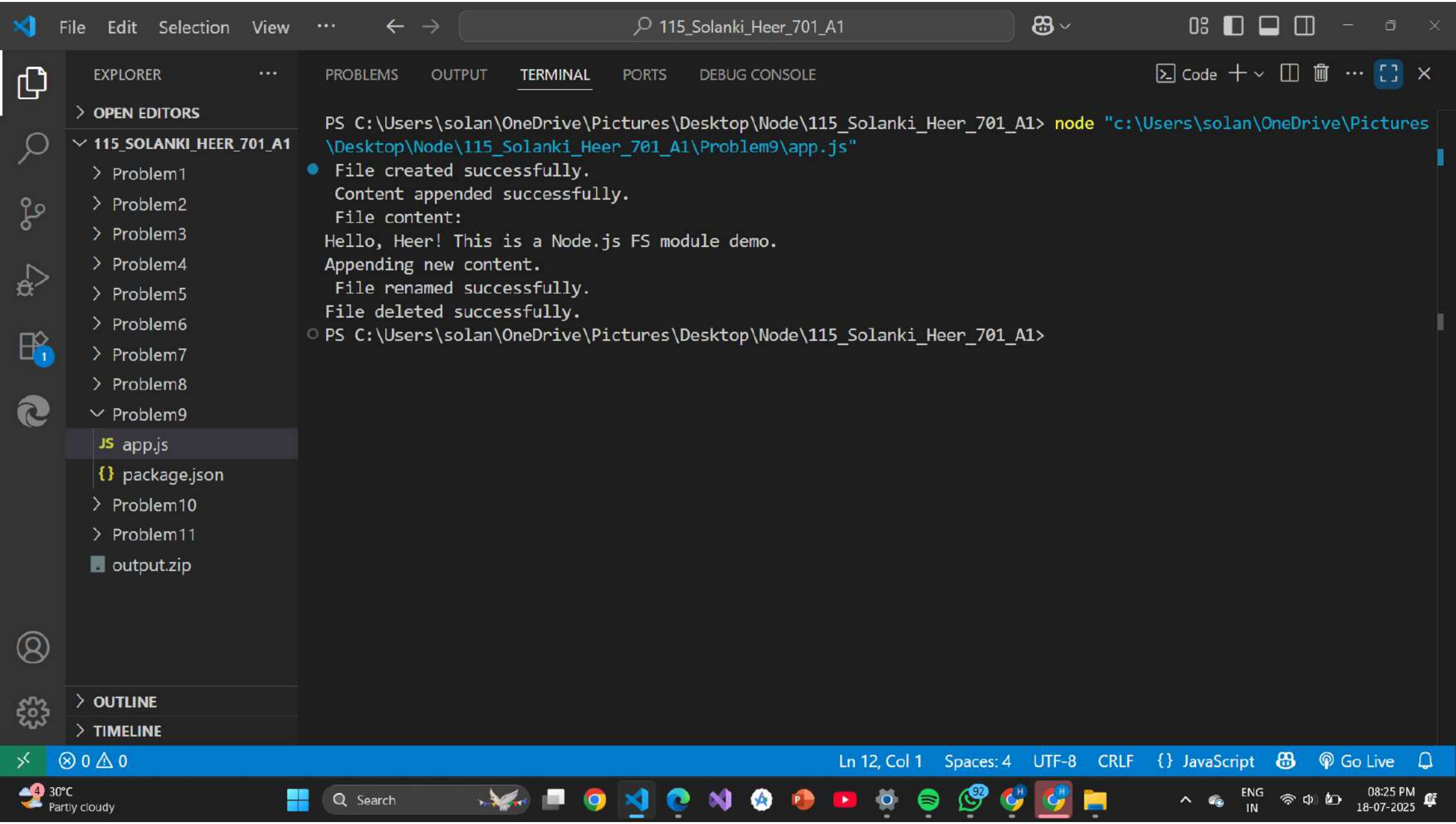

localhost:3002
localhost:3002
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
Server is running...
Trending videos
Wednesday seas...
Search
ENG
IN
08:24 PM
18-07-2025

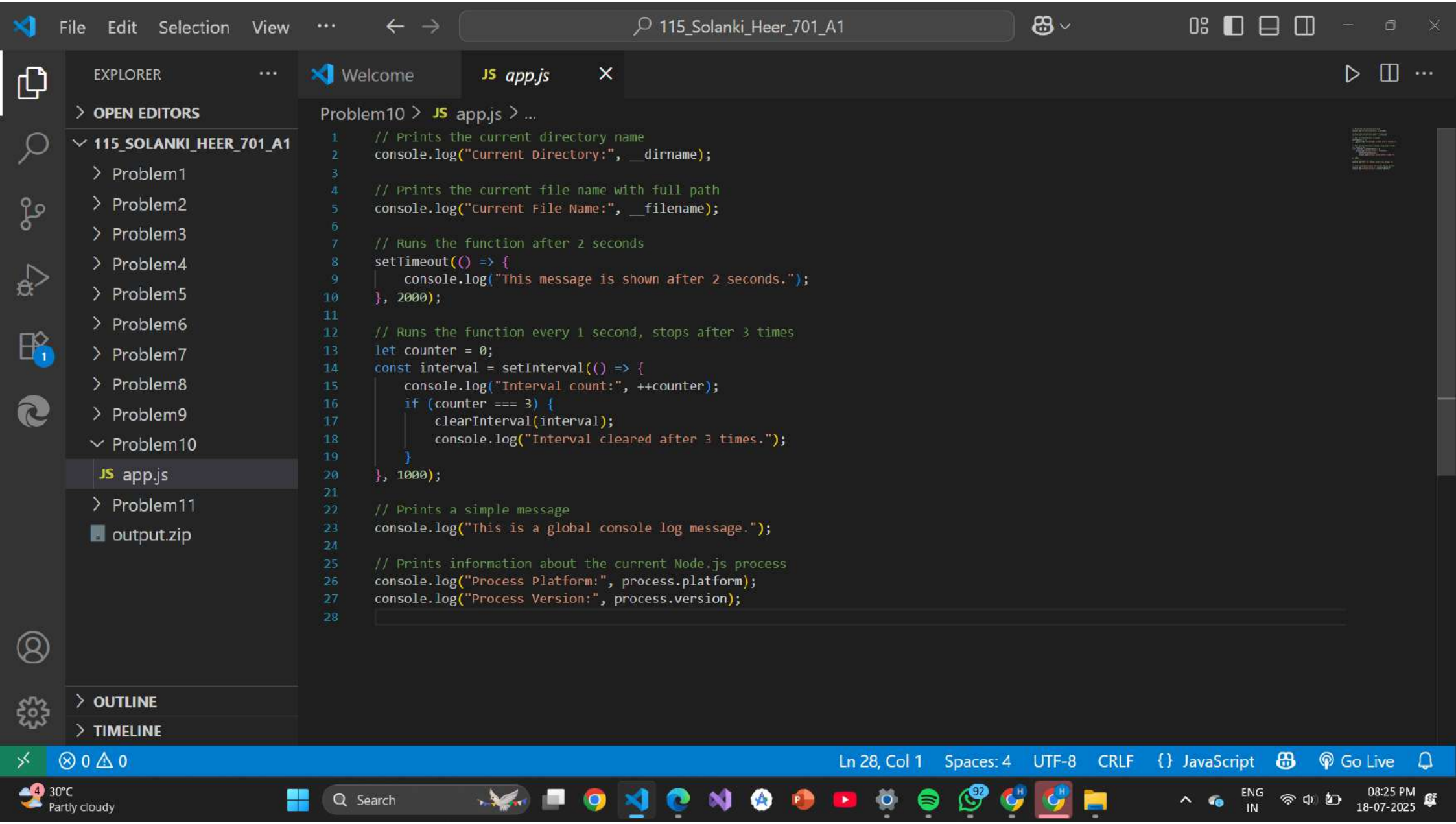

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_S...
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
app.js
cleanup.js
generateReport.js
package.json
server.js
test.js
userinfo.js
Problem9
Problem10
OUTLINE
TIMELINE
Welcome
cleanup.js
Problem8 > cleanup.js
1 console.log('Cleaning up temporary files...');
2 console.log('Cleanup completed!');
3
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem8
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8\cleanup.js"
Cleaning up temporary files...
Cleanup completed!
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem8
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8> node server.js
Server started on http://localhost:3002
Ln 3, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:24 PM 18-07-2025

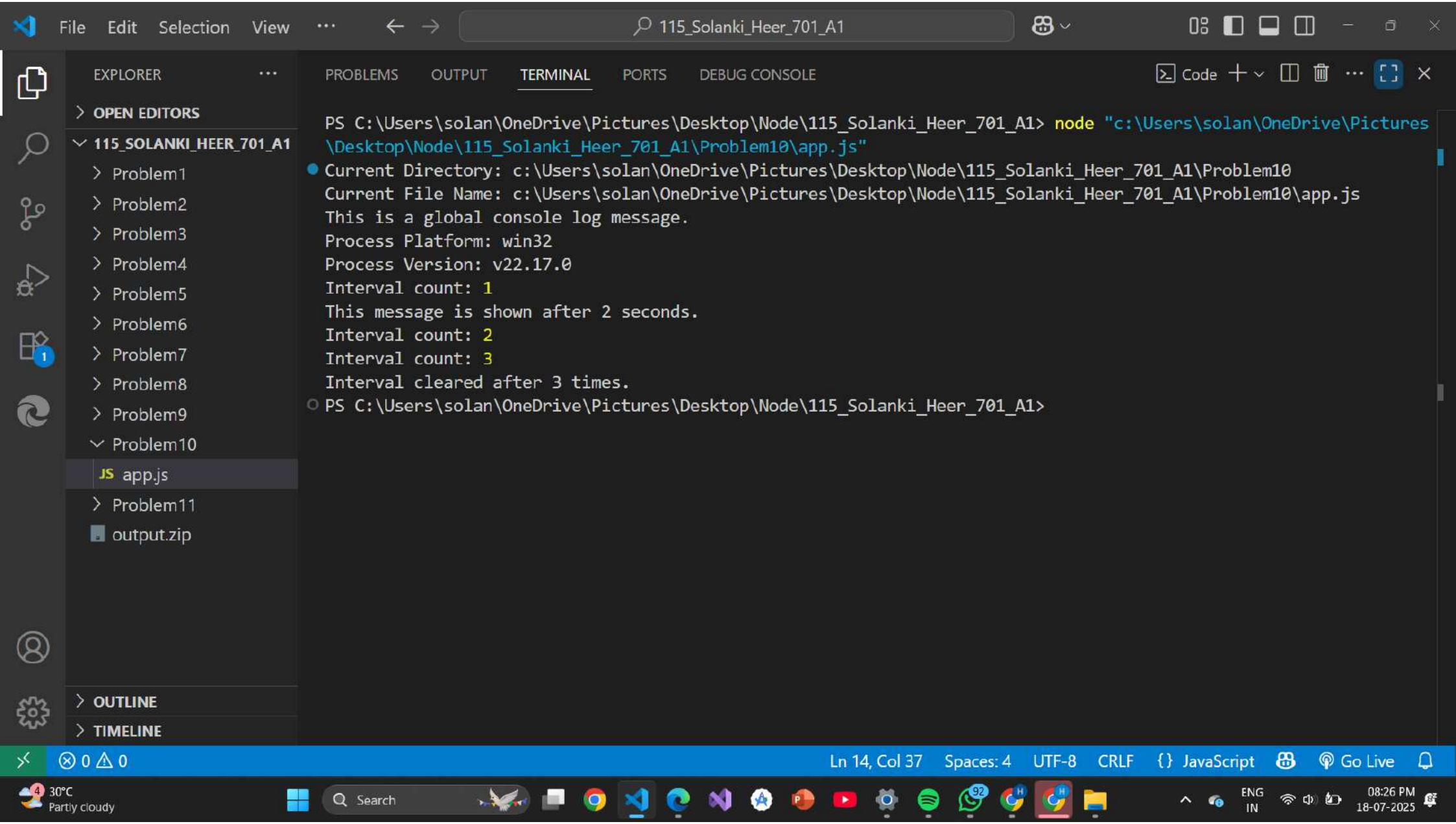

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
app.js
cleanup.js
generateReport.js
package.json
server.js
test.js
userinfo.js
Problem9
Problem10
OUTLINE
TIMELINE
Welcome
test.js
Problem8 > test.js
1 console.log('Test script executed successfully!');
2
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8\test.js"
Test script executed successfully!
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
Ln 2, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:24 PM 18-07-2025

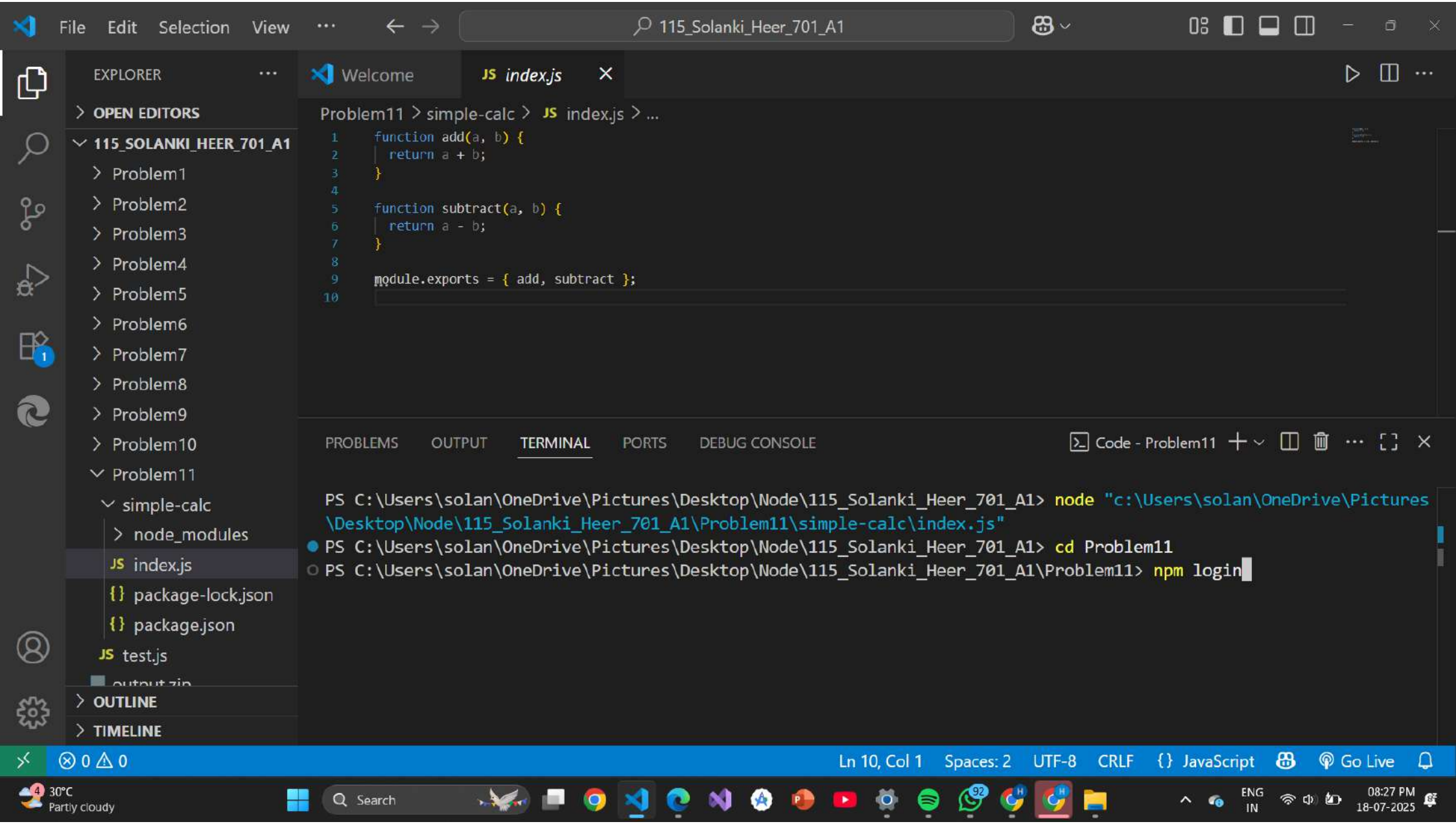

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
app.js
cleanup.js
generateReport.js
package.json
server.js
test.js
userinfo.js
Problem9
Problem10
OUTLINE
TIMELINE
Welcome
userinfo.js
Problem8 > userinfo.js > ...
1 const os = require('os');
2 console.log(`User Info: ${os.userInfo().username}`);
3
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem8\userinfo.js"
User Info: solan
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
Ln 3, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:25 PM 18-07-2025

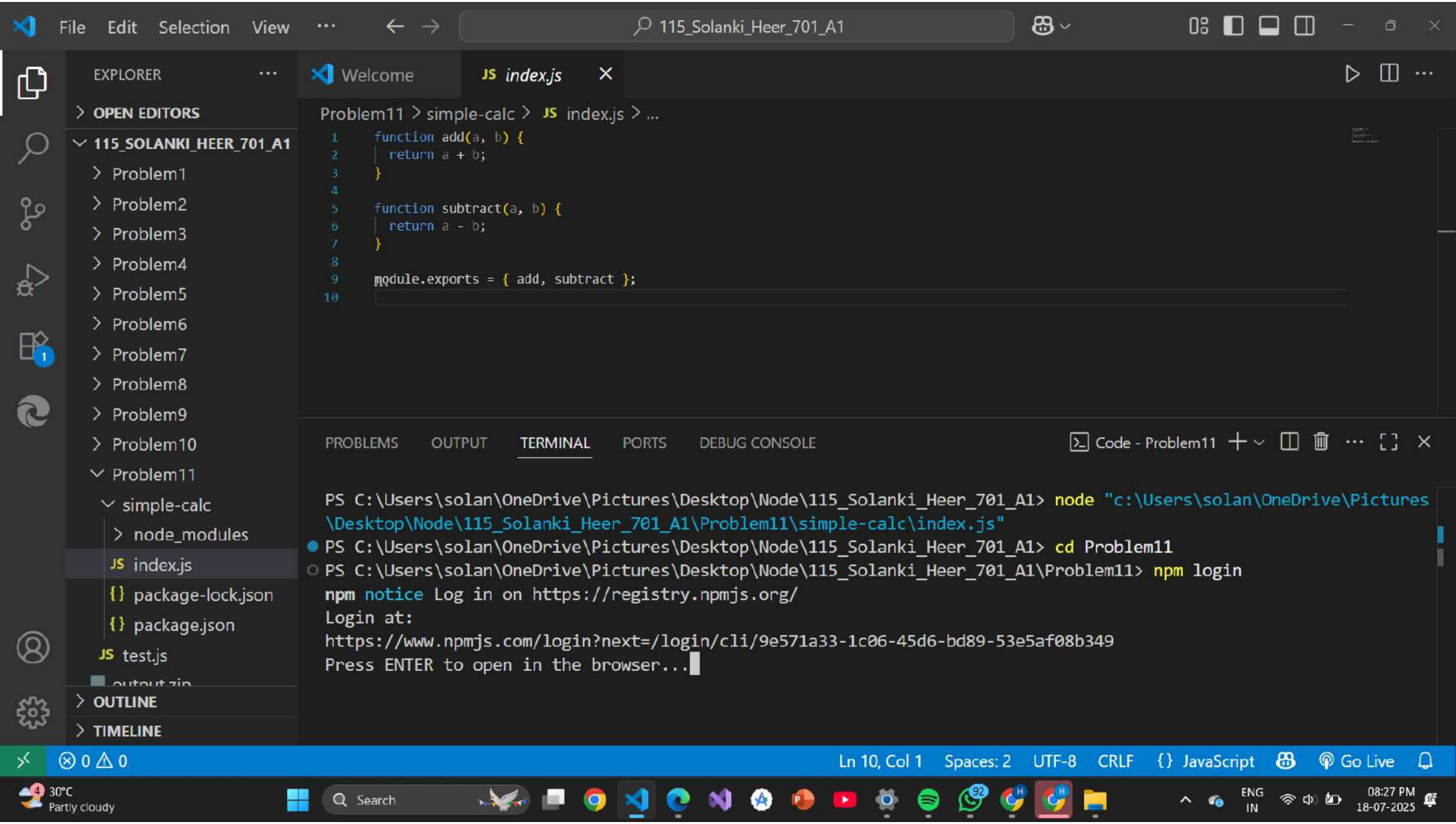

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
Welcome
app.js
Problem9 > app.js > fs.writeFile('example.txt', 'Hello, Heer! This is a Node.js FS module demo.') callback
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
app.js
package.json
Problem10
Problem11
output.zip
OUTLINE
TIMELINE
const fs = require('fs');
// Write a file
fs.writeFile('example.txt', 'Hello, Heer! This is a Node.js FS module demo.', (err) => {
if (err) throw err;
console.log(' File created successfully.');
// Append content
fs.appendFile('example.txt', '\nAppending new content.', (err) => {
if (err) throw err;
console.log(' Content appended successfully.');
// Read file content
fs.readFile('example.txt', 'utf8', (err, data) => {
if (err) throw err;
console.log(' File content:\n' + data);
// Rename the file
fs.rename('example.txt', 'renamed_example.txt', (err) => {
if (err) throw err;
console.log(' File renamed successfully.');
// Delete the file
fs.unlink('renamed_example.txt', (err) => {
if (err) throw err;
console.log('File deleted successfully.');
});
});
});
});
});
0 0
Ln 6, Col 18 Spaces: 4 UTF-8 CRLF JavaScript Go Live
30°C
Partly cloudy
Search
ENG
IN
08:25 PM
18-07-2025

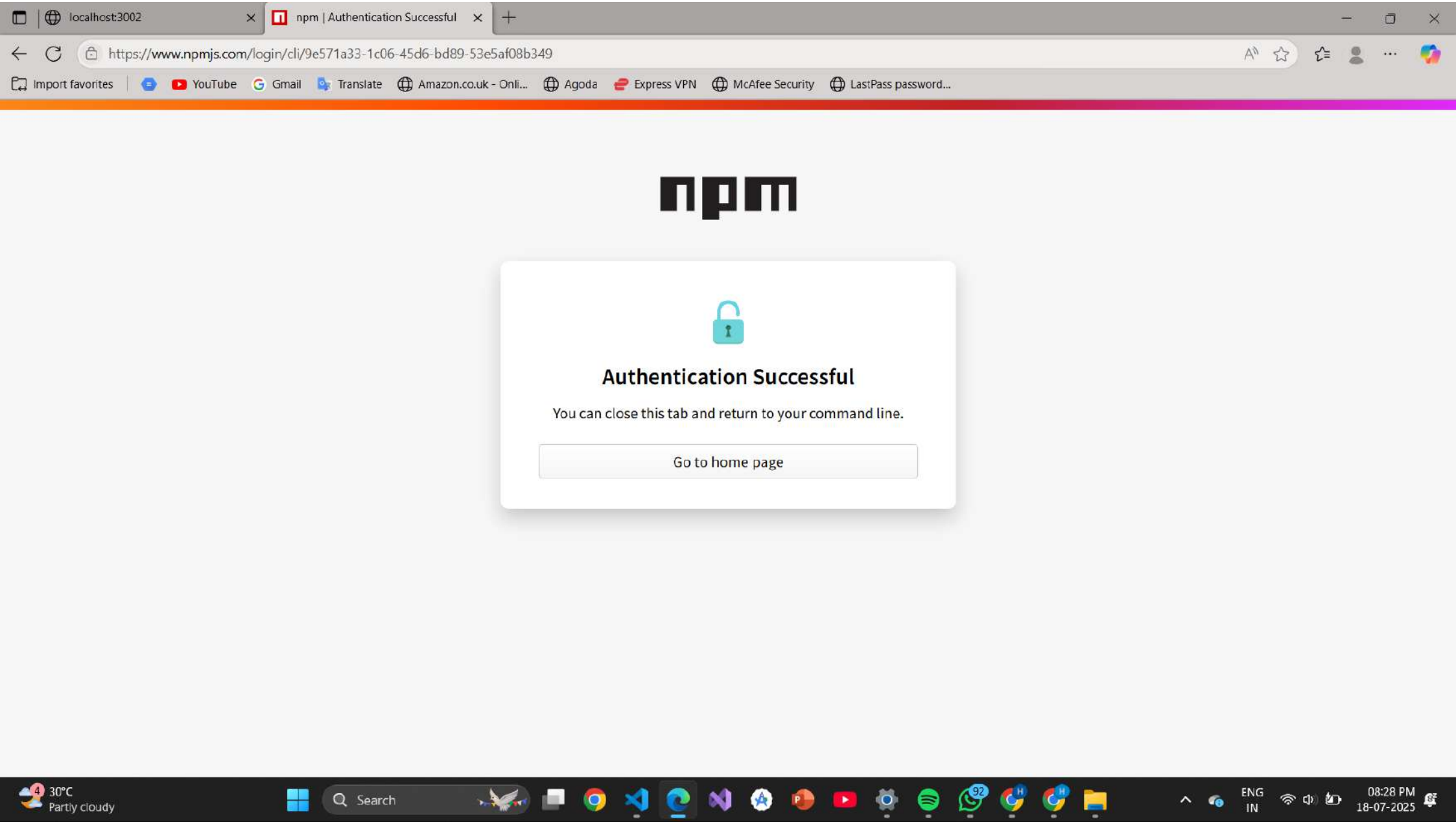

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
app.js
package.json
Problem10
Problem11
output.zip
OUTLINE
TIMELINE
PROBLEMS
OUTPUT
TERMINAL
PORTS
DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem9\app.js"
File created successfully.
Content appended successfully.
File content:
Hello, Heer! This is a Node.js FS module demo.
Appending new content.
File renamed successfully.
File deleted successfully.
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
0 0
Ln 12, Col 1
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
30°C
Partly cloudy
Search
ENG
IN
08:25 PM
18-07-2025

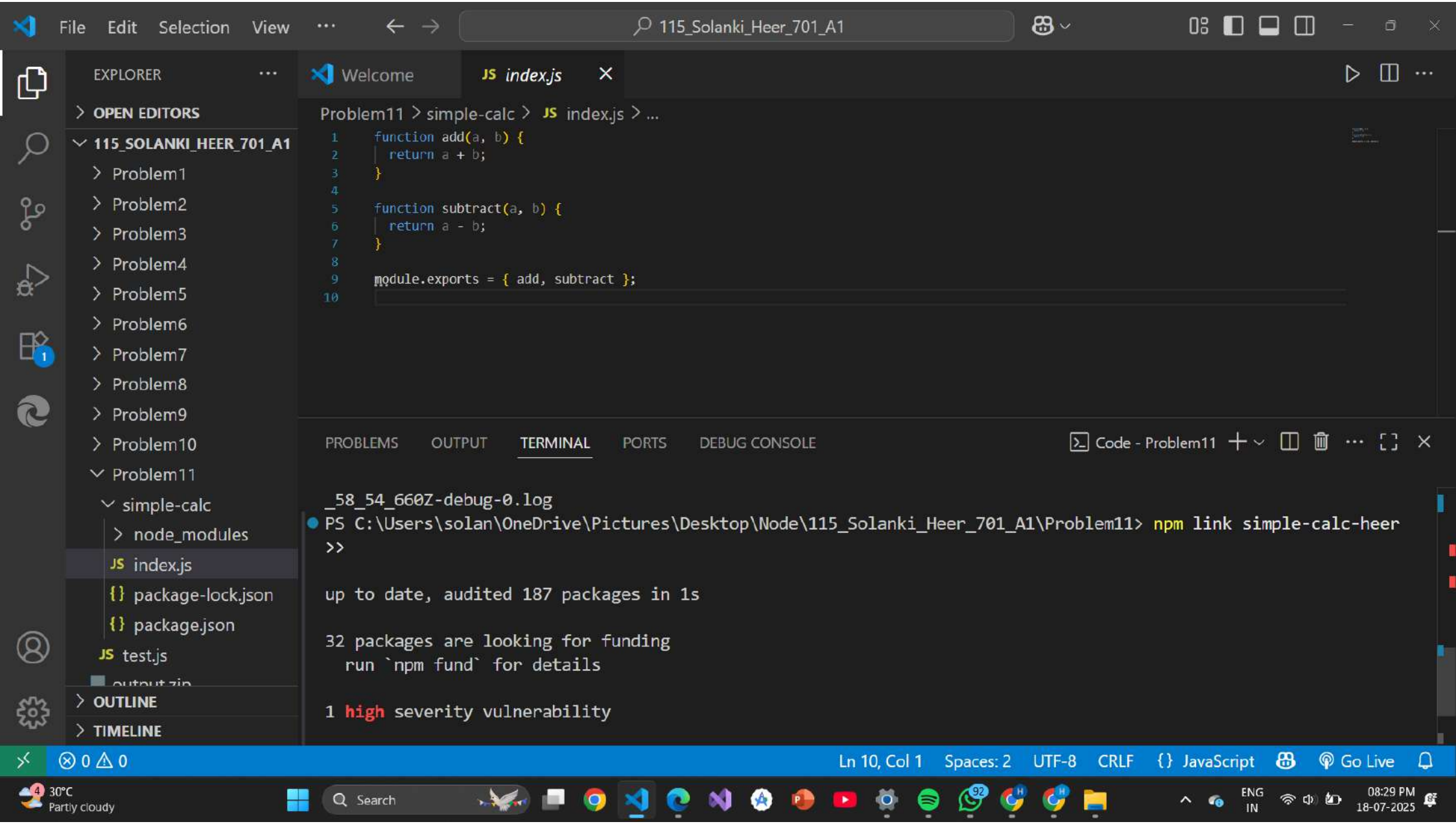

File Edit Selection View ···
115_Solanki_Heer_701_A1
EXPLORER
Welcome
app.js
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
app.js
Problem11
output.zip
OUTLINE
TIMELINE
Problem10 > app.js > ...
1 // Prints the current directory name
2 console.log("Current Directory:", __dirname);
3
4 // Prints the current file name with full path
5 console.log("Current File Name:", __filename);
6
7 // Runs the function after 2 seconds
8 setTimeout(() => {
9 console.log("This message is shown after 2 seconds.");
10 }, 2000);
11
12 // Runs the function every 1 second, stops after 3 times
13 let counter = 0;
14 const interval = setInterval(() => {
15 console.log("Interval count:", ++counter);
16 if (counter === 3) {
17 clearInterval(interval);
18 console.log("Interval cleared after 3 times.");
19 }
20 }, 1000);
21
22 // Prints a simple message
23 console.log("This is a global console log message.");
24
25 // Prints information about the current Node.js process
26 console.log("Process Platform:", process.platform);
27 console.log("Process Version:", process.version);
28
0 0
Ln 28, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:25 PM 18-07-2025

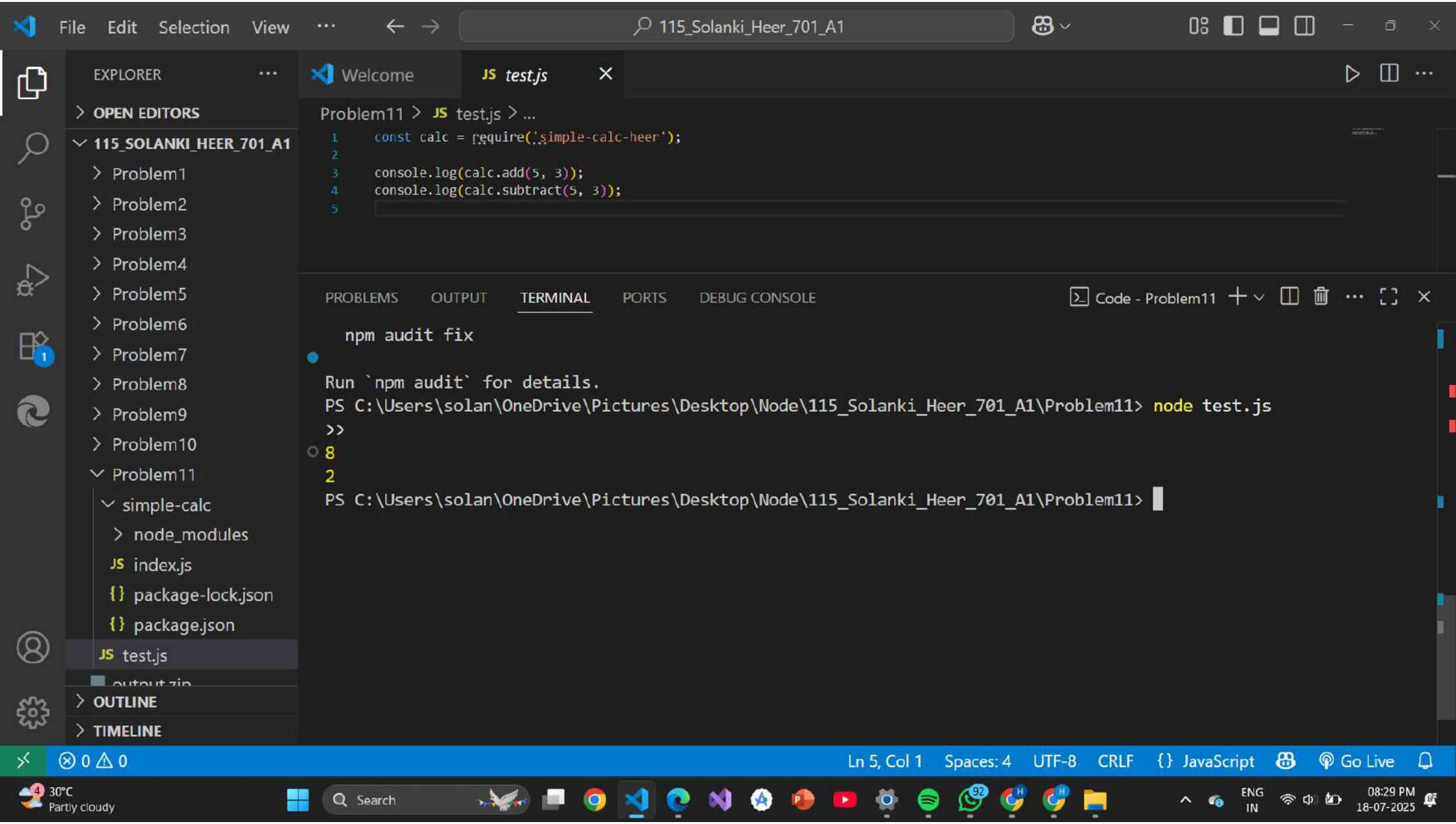

File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
app.js
Problem11
output.zip
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem10\app.js"
Current Directory: c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem10
Current File Name: c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem10\app.js
This is a global console log message.
Process Platform: win32
Process Version: v22.17.0
Interval count: 1
This message is shown after 2 seconds.
Interval count: 2
Interval count: 3
Interval cleared after 3 times.
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1>
0 0
Ln 14, Col 37 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:26 PM 18-07-2025

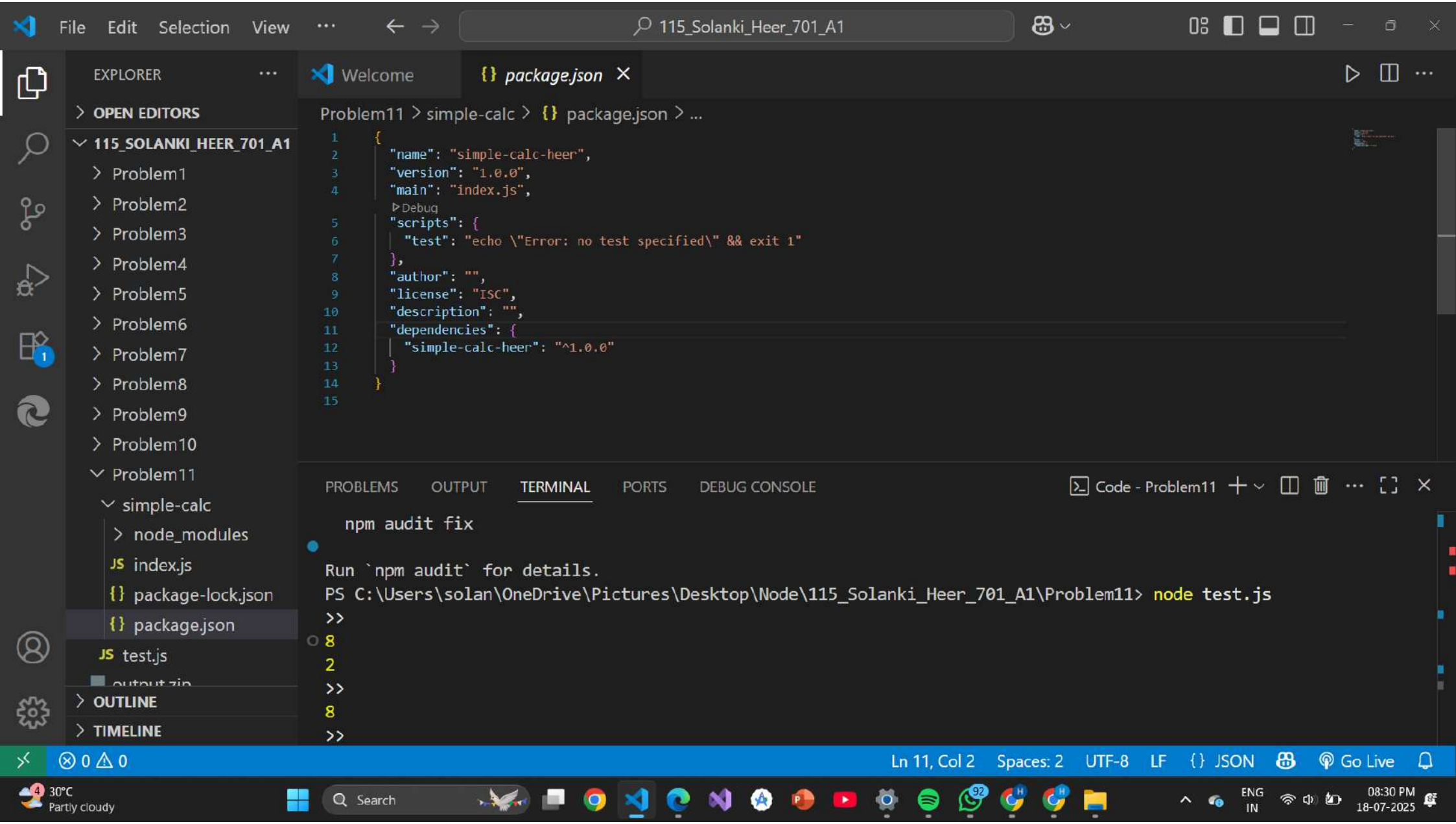

File Edit Selection View ···
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
Problem11
simple-calc
node_modules
index.js
package-lock.json
package.json
test.js
OUTLINE
TIMELINE
Welcome
index.js
Problem11 > simple-calc > index.js > ...
1 function add(a, b) {
2 return a + b;
3 }
4
5 function subtract(a, b) {
6 return a - b;
7 }
8
9 module.exports = { add, subtract };
10
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem11
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11\simple-calc\index.js"
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem11
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11> npm login
0 0
Ln 10, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:27 PM 18-07-2025


File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
Problem11
simple-calc
node_modules
index.js
package-lock.json
package.json
test.js
OUTLINE
TIMELINE
Welcome
index.js
Problem11 > simple-calc > index.js > ...
1 function add(a, b) {
2 return a + b;
3 }
4
5 function subtract(a, b) {
6 return a - b;
7 }
8
9 module.exports = { add, subtract };
10
PROBLEMS
OUTPUT
TERMINAL
PORTS
DEBUG CONSOLE
Code - Problem11
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> node "c:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11\simple-calc\index.js"
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1> cd Problem11
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11> npm login
npm notice Log in on https://registry.npmjs.org/
Login at:
https://www.npmjs.com/login?next=/login/cli/9e571a33-1c06-45d6-bd89-53e5af08b349
Press ENTER to open in the browser...
0 0
Ln 10, Col 1
Spaces: 2
UTF-8
CRLF
JavaScript
Go Live
30°C
Partly cloudy
Search
ENG
IN
08:27 PM
18-07-2025


localhost:3002
npm | Authentication Successful
https://www.npmjs.com/login/cli/9e571a33-1c06-45d6-bd89-53e5af08b349
Import favorites
YouTube
Gmail
Translate
Amazon.co.uk - Onli...
Agoda
Express VPN
McAfee Security
LastPass password...
npm
Authentication Successful
You can close this tab and return to your command line.
Go to home page
30°C
Partly cloudy
Search
ENG
IN
08:28 PM
18-07-2025


File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
Problem11
simple-calc
node_modules
index.js
package-lock.json
package.json
test.js
OUTLINE
TIMELINE
Welcome
index.js
Problem11 > simple-calc > index.js > ...
1 function add(a, b) {
2 return a + b;
3 }
4
5 function subtract(a, b) {
6 return a - b;
7 }
8
9 module.exports = { add, subtract };
10
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem11
_58_54_660Z-debug-0.log
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11> npm link simple-calc-heer
>>
up to date, audited 187 packages in 1s
32 packages are looking for funding
run `npm fund` for details
1 high severity vulnerability
0 0
Ln 10, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live
30°C
Partly cloudy
Search
ENG
IN
08:29 PM
18-07-2025


File Edit Selection View ···
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
Problem11
simple-calc
node_modules
index.js
package-lock.json
package.json
test.js
OUTLINE
TIMELINE
Welcome
test.js
Problem11 > test.js > ...
1 const calc = require('simple-calc-heer');
2
3 console.log(calc.add(5, 3));
4 console.log(calc.subtract(5, 3));
5
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem11
npm audit fix
Run `npm audit` for details.
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11> node test.js
>>
8
2
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11>
0 0 Ln 5, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
30°C Partly cloudy
Search
ENG IN
08:29 PM 18-07-2025


File Edit Selection View
115_Solanki_Heer_701_A1
EXPLORER
OPEN EDITORS
115_SOLANKI_HEER_701_A1
Problem1
Problem2
Problem3
Problem4
Problem5
Problem6
Problem7
Problem8
Problem9
Problem10
Problem11
simple-calc
node_modules
index.js
package-lock.json
package.json
test.js
OUTLINE
TIMELINE
Welcome
package.json
Problem11 > simple-calc > package.json > ...
{
"name": "simple-calc-heer",
"version": "1.0.0",
"main": "index.js",
Debug
"scripts": {
"test": "echo \"Error: no test specified\" && exit 1"
},
"author": "",
"license": "ISC",
"description": "",
"dependencies": {
"simple-calc-heer": "^1.0.0"
}
}
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
Code - Problem11
npm audit fix
Run `npm audit` for details.
PS C:\Users\solan\OneDrive\Pictures\Desktop\Node\115_Solanki_Heer_701_A1\Problem11> node test.js
>>
8
2
>>
8
>>
0 0
Ln 11, Col 2 Spaces: 2 UTF-8 LF JSON Go Live
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