Practical Assignment=1

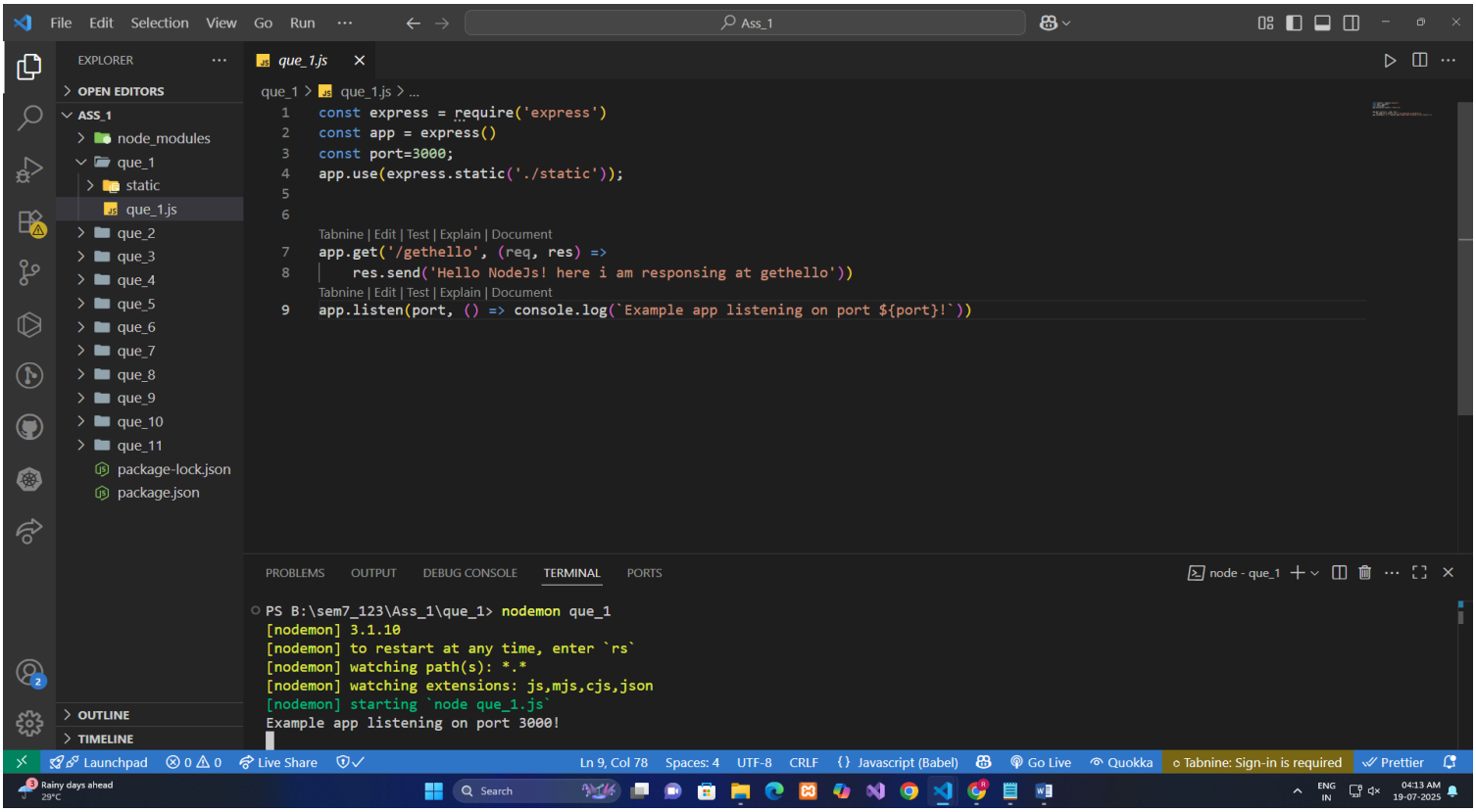
Name : Maniya D. Tailor

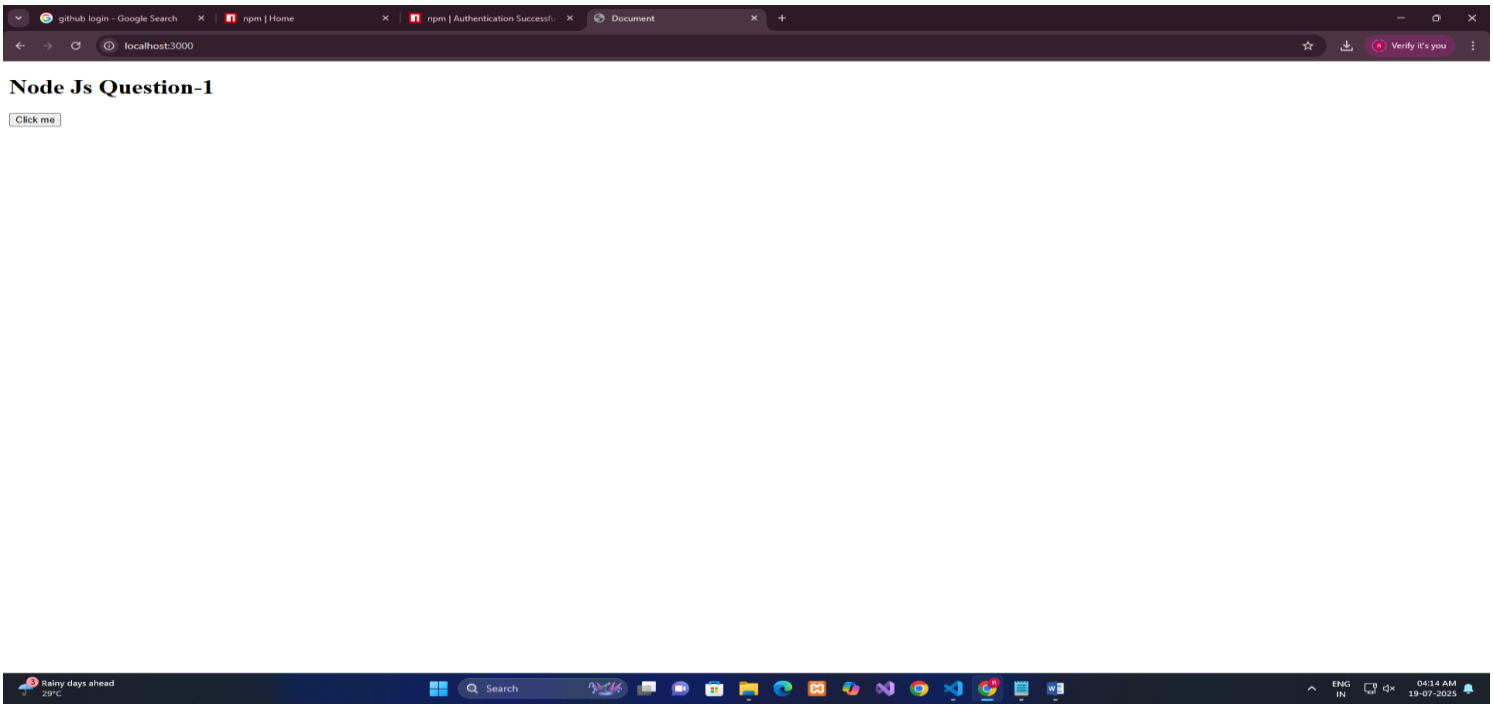
Roll No : 123

Div : B

Sem : 7

Que-1:

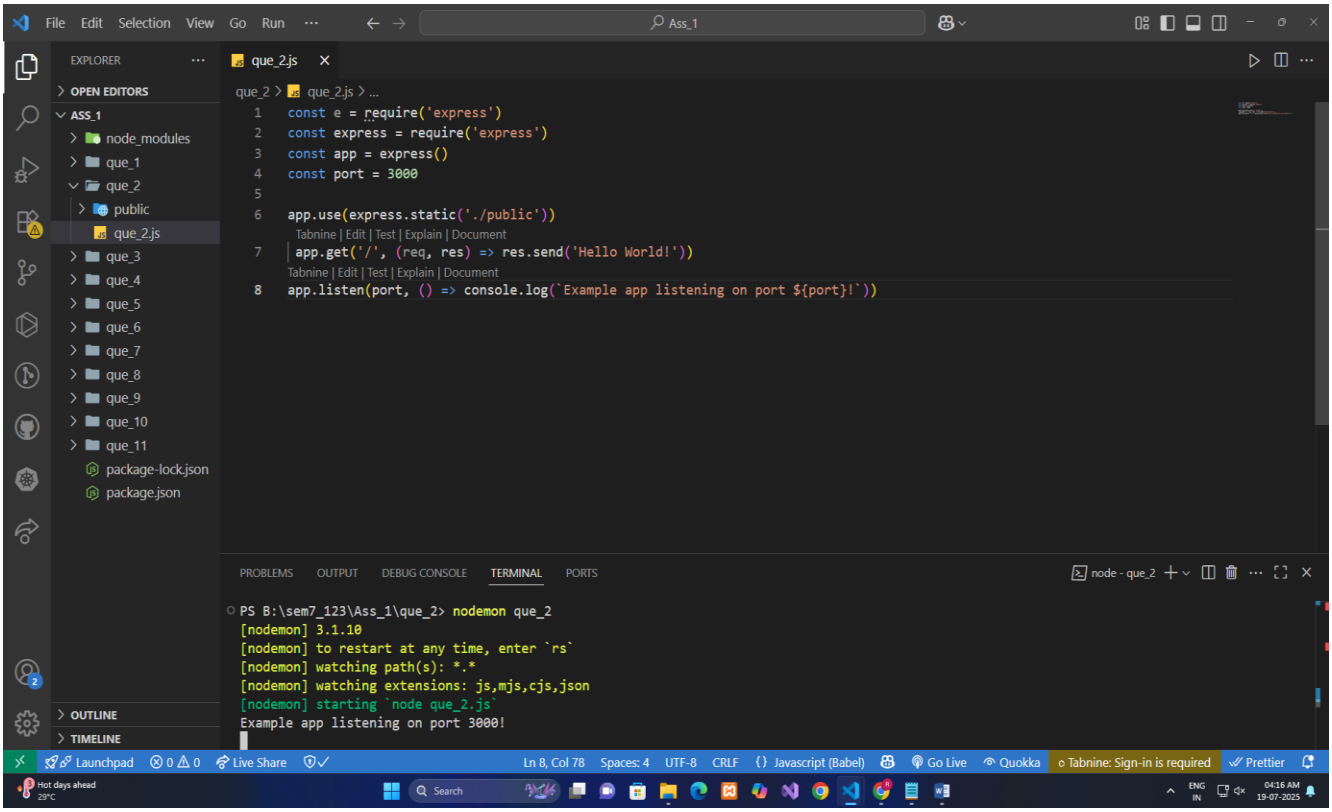

File Edit Selection View Go Run
Ass_1
EXPLORER
que_1.js
OPEN EDITORS
ASS_1
node_modules
que_1
static
que_1.js
que_2
que_3
que_4
que_5
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
que_1 > que_1.js > ...
1 const express = require('express')
2 const app = express()
3 const port=3000;
4 app.use(express.static('./static'));
5
6
Tabnine | Edit | Test | Explain | Document
7 app.get('/gethello', (req, res) =>
8 res.send('Hello NodeJs! here i am responsing at gethello'))
Tabnine | Edit | Test | Explain | Document
9 app.listen(port, () => console.log(`Example app listening on port ${port}!`))
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node - que_1
PS B:\sem7_123\Ass_1\que_1> nodemon que_1
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_1.js`
Example app listening on port 3000!
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 9, Col 78
Spaces: 4
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
Rainy days ahead
Search
ENG IN
04:13 AM 19-07-2025

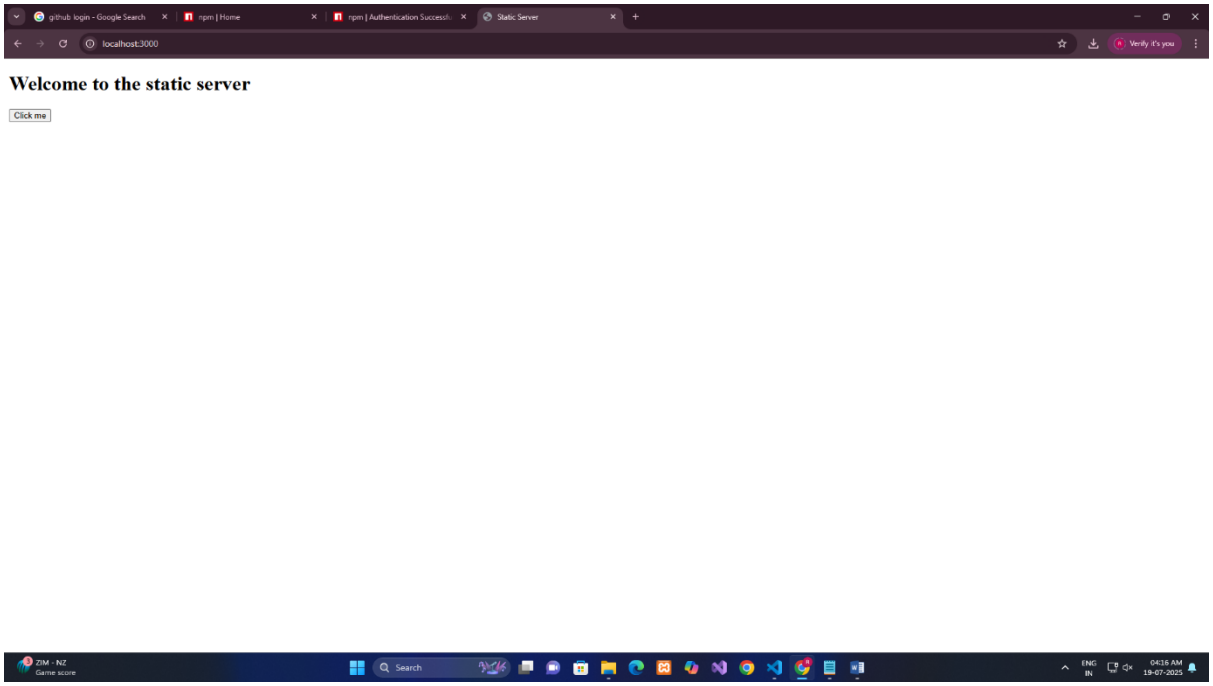

github login - Google Search
npm | Home
npm | Authentication Successfu
Document
localhost:3000
Verify it's you
Node Js Question-1
Click me
Rainy days ahead
Search
ENG IN
04:14 AM 19-07-2025

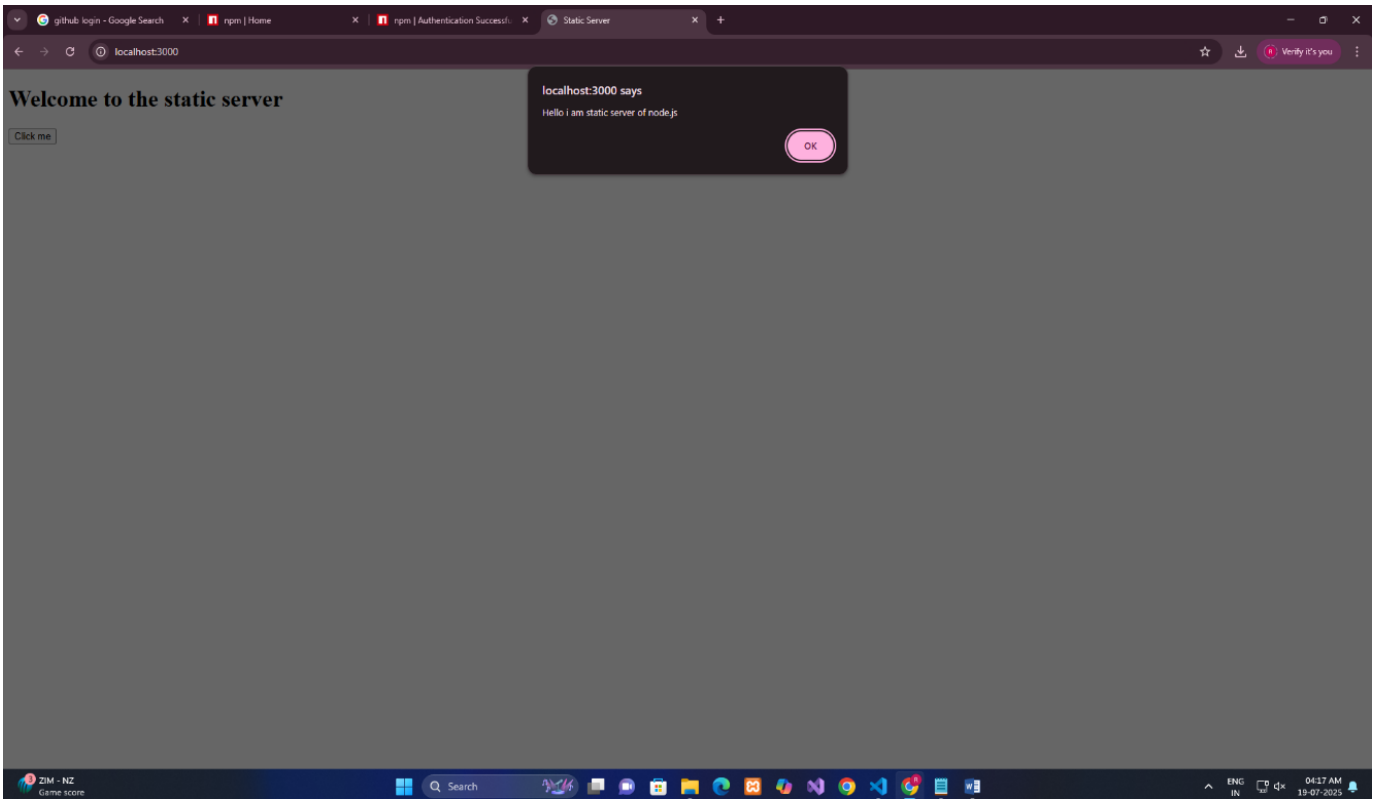

github login - Google Search
npm | Home
npm | Authentication Successfu
Document
localhost:3000
Verify it's you
Node Js Question-1
Click me
Hello NodeJs! here i am responsing at gethello


Hot days ahead
29°C
Search
ENG
IN
04:15 AM
19-07-2025

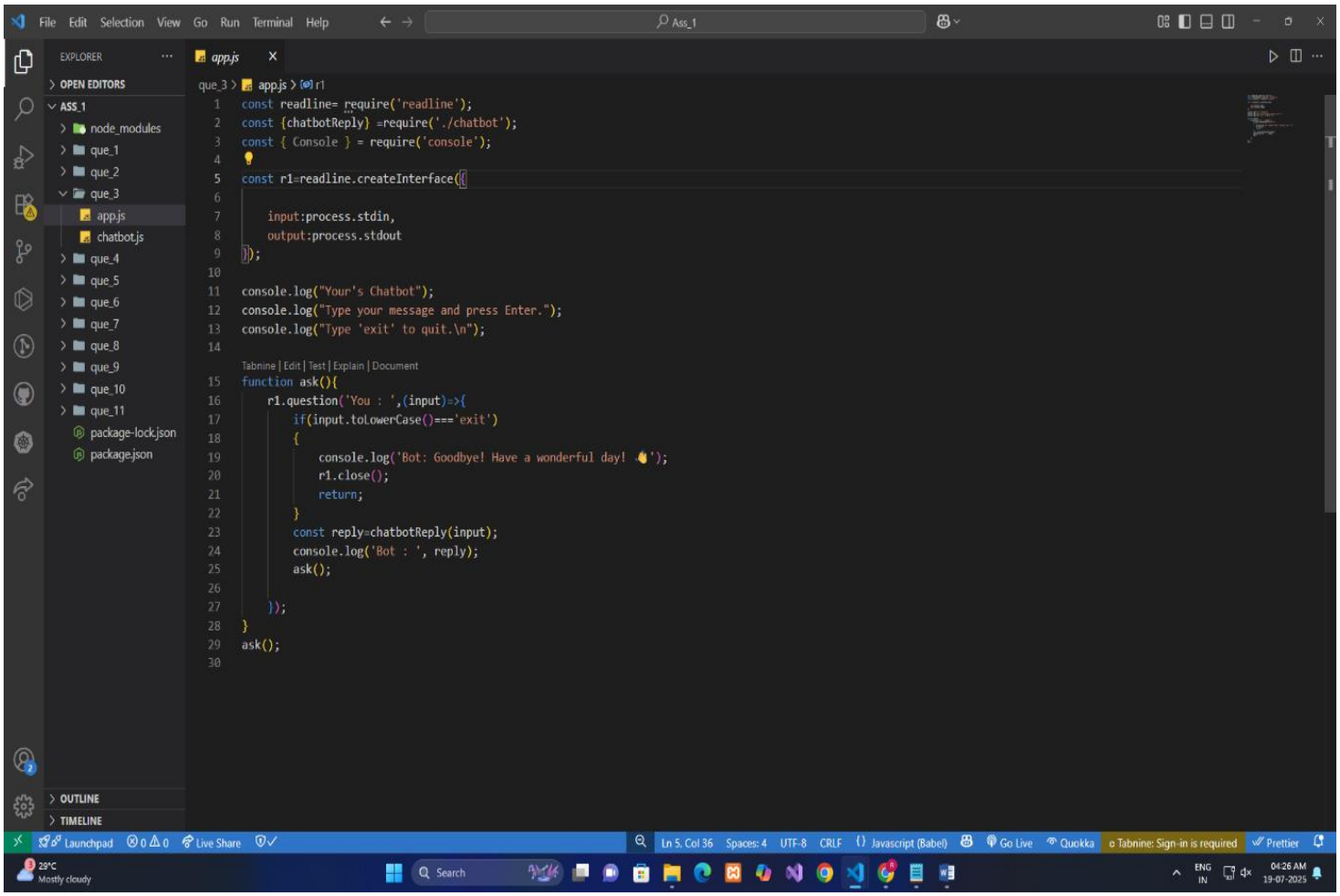
Que-2


File Edit Selection View Go Run
Ass_1
EXPLORER
que_2.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
public
que_2.js
que_3
que_4
que_5
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
que_2 > que_2.js > ...
1 const e = require('express')
2 const express = require('express')
3 const app = express()
4 const port = 3000
5
6 app.use(express.static('./public'))
Tabnine | Edit | Test | Explain | Document
7 app.get('/', (req, res) => res.send('Hello World!'))
Tabnine | Edit | Test | Explain | Document
8 app.listen(port, () => console.log(`Example app listening on port ${port}!`))
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node - que_2
PS B:\sem7_123\Ass_1\que_2> nodemon que_2
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_2.js`
Example app listening on port 3000!
OUTLINE
TIMELINE
Launchpad
0 0
Live Share
Ln 8, Col 78
Spaces: 4
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
Hot days ahead
29°C
Search
ENG
IN
04:16 AM
19-07-2025

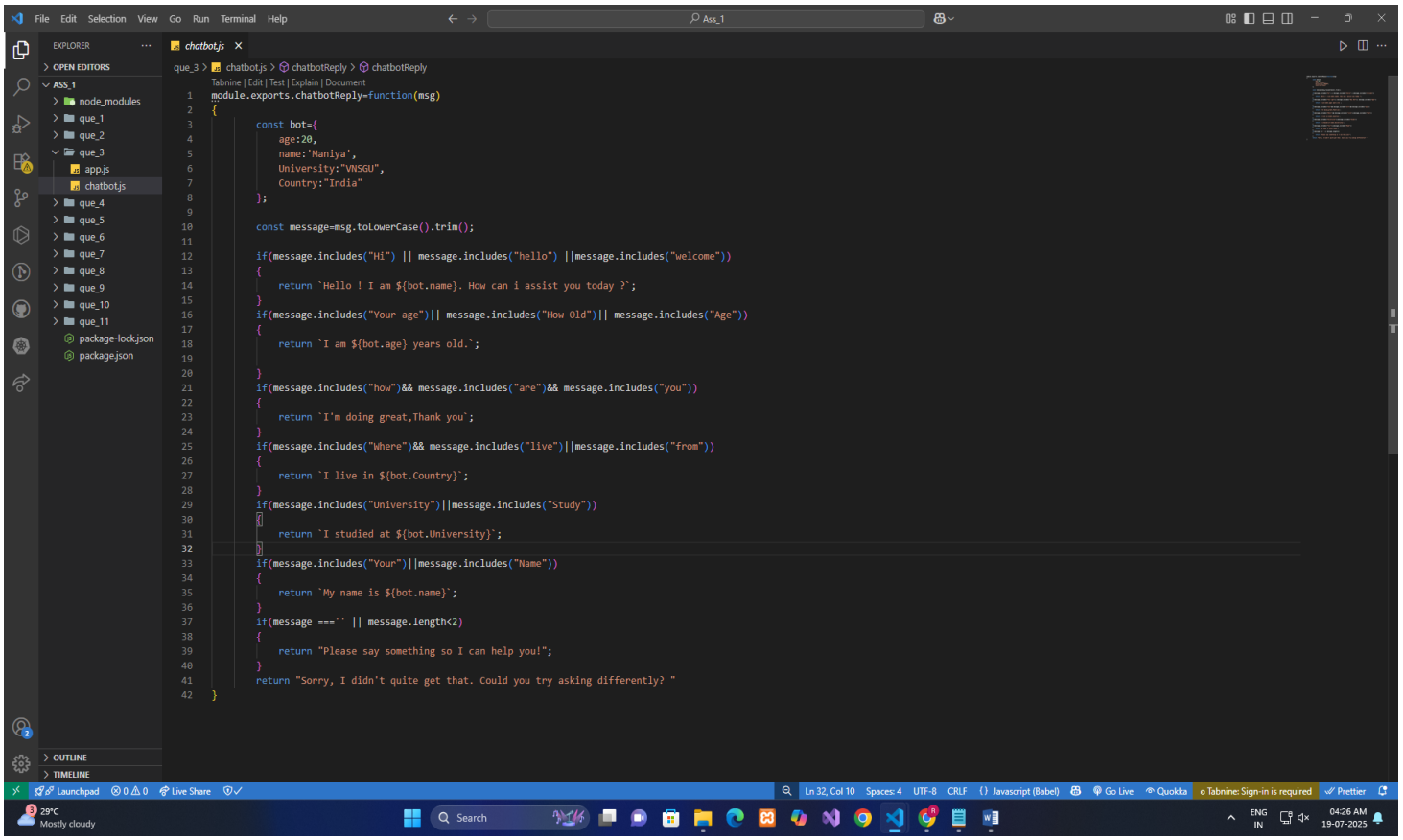

github login - Google Search
npm | Home
Static Server
localhost:3000
Verify it's you
Welcome to the static server
Click me


github login - Google Search
npm | Home
Static Server
localhost:3000
Verify it's you
Welcome to the static server
Click me
localhost:3000 says
Hello i am static server of node.js
OK

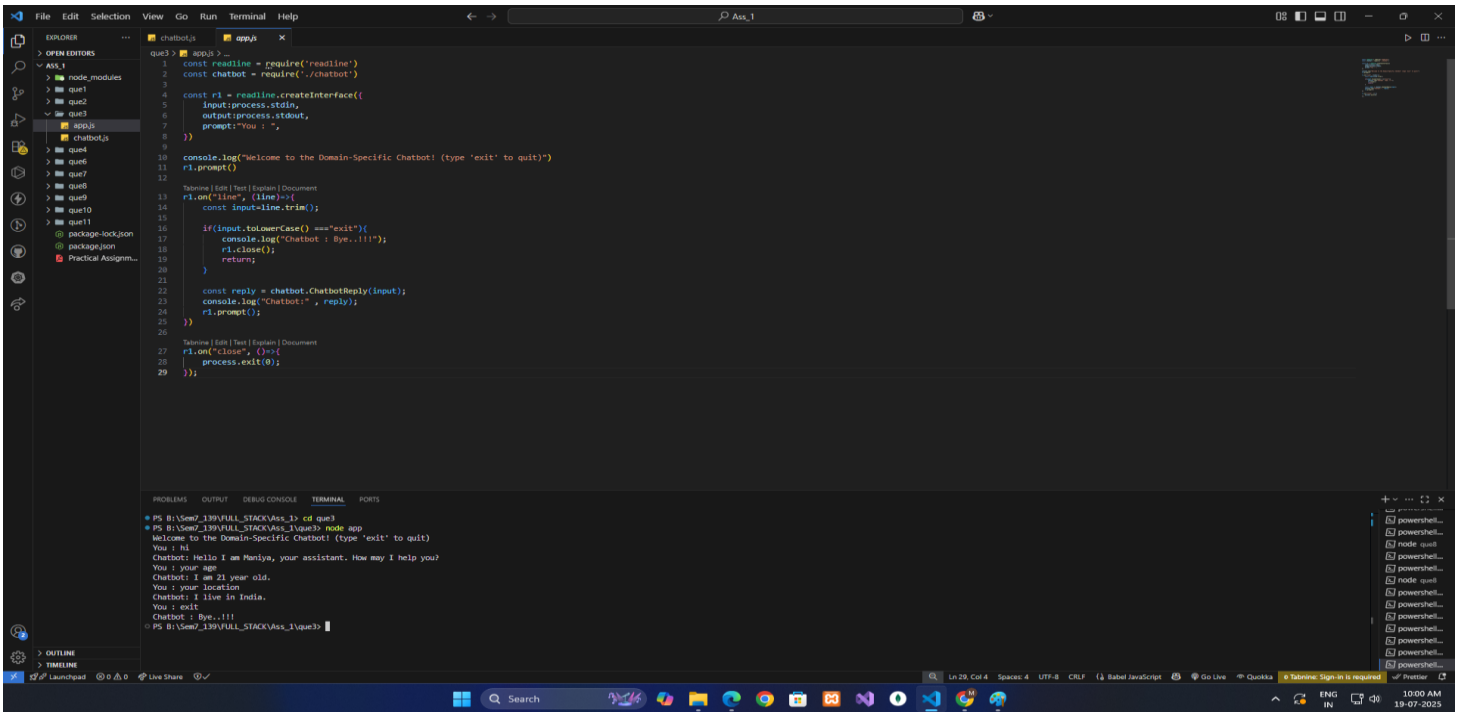
Que-3



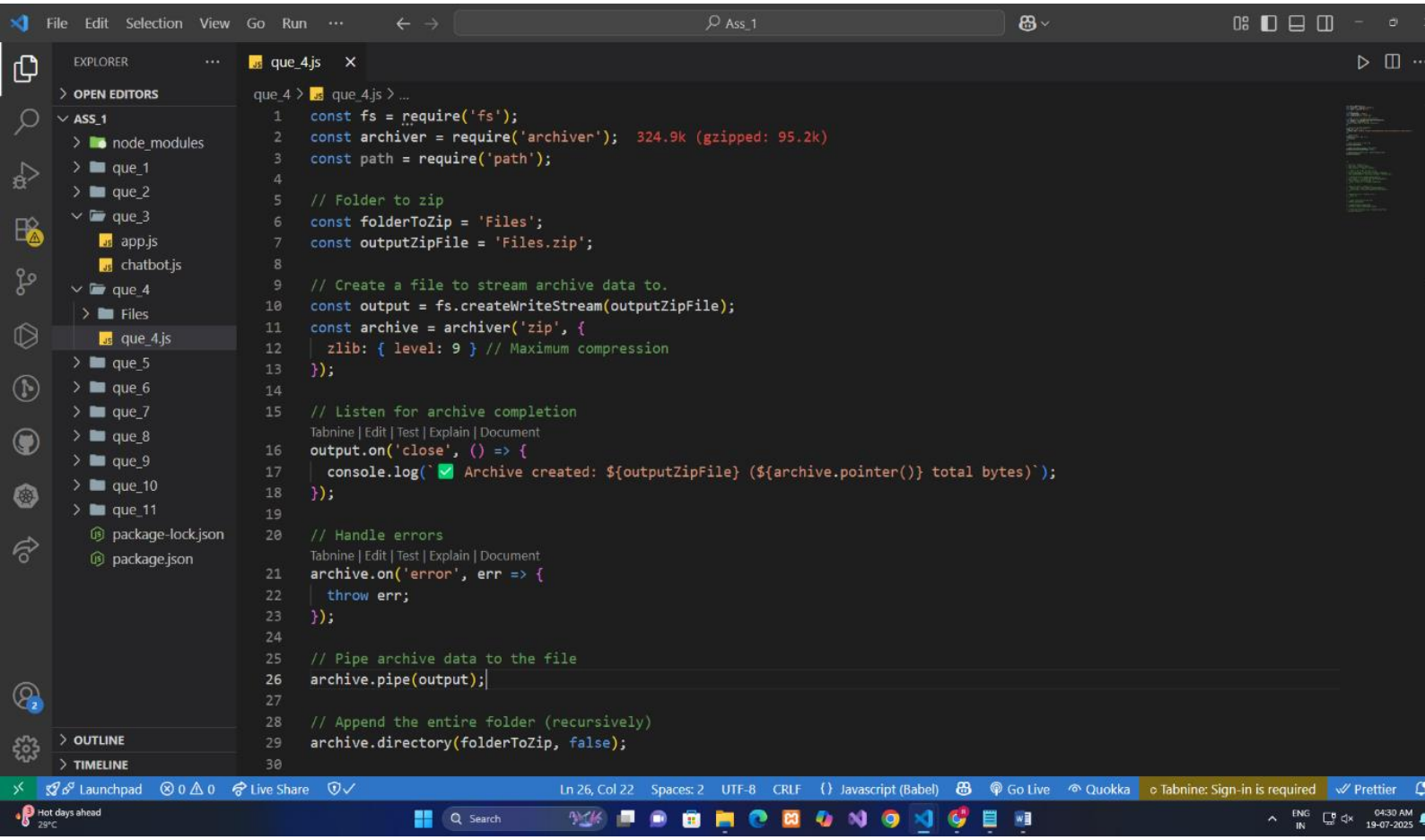
```
const readline= require('readline');
const {chatbotReply} =require('./chatbot');
const { Console } = require('console');

const r1=readline.createInterface({

    input:process.stdin,
    output:process.stdout
});

console.log("Your's Chatbot");
console.log("Type your message and press Enter.");
console.log("Type 'exit' to quit.\n");

function ask(){
    r1.question('You : ',(input)=>{
        if(input.toLowerCase()==='exit')
        {
            console.log('Bot: Goodbye! Have a wonderful day! 👋');
            r1.close();
            return;
        }
        const reply=chatbotReply(input);
        console.log('Bot : ', reply);
        ask();

    });
}
ask();
```

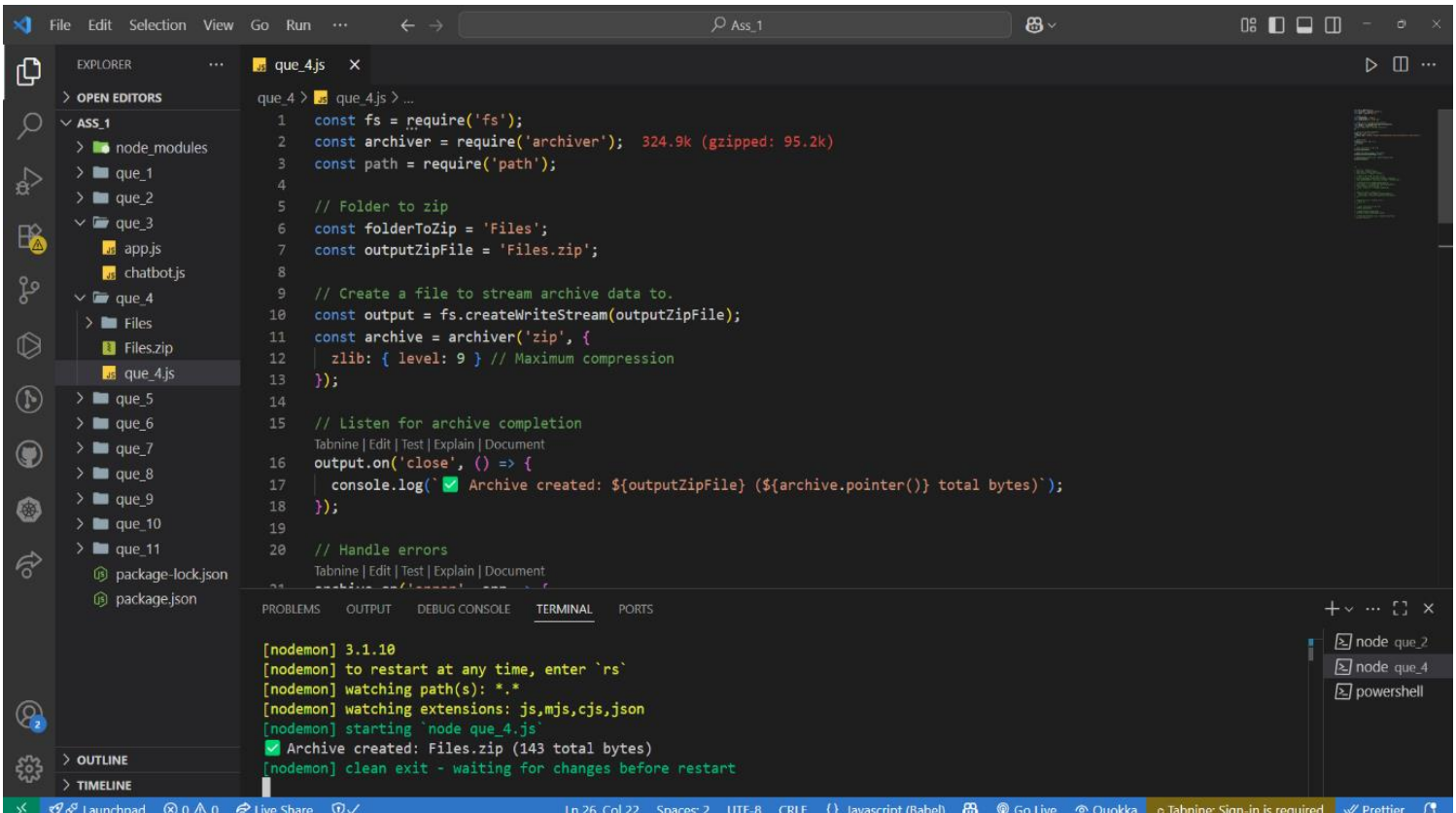


```
module.exports.chatbotReply=function(msg)
{
        const bot={
            age:20,
            name:'Maniya',
            University:"VNSGU",
            Country:"India"
        };

        const message=msg.toLowerCase().trim();

        if(message.includes("Hi") || message.includes("hello") ||message.includes("welcome"))
        {
            return `Hello ! I am ${bot.name}. How can i assist you today ?`;
        }
        if(message.includes("Your age")|| message.includes("How Old")|| message.includes("Age"))
        {
            return `I am ${bot.age} years old.`;

        }
        if(message.includes("how")&& message.includes("are")&& message.includes("you"))
        {
            return `I'm doing great,Thank you`;
        }
        if(message.includes("Where")&& message.includes("live")||message.includes("from"))
        {
            return `I live in ${bot.Country}`;
        }
        if(message.includes("University")||message.includes("Study"))
        {
            return `I studied at ${bot.University}`;
        }
        if(message.includes("Your")||message.includes("Name"))
        {
            return `My name is ${bot.name}`;
        }
        if(message ===''' || message.length<2)
        {
            return "Please say something so I can help you!";
        }
        return "Sorry, I didn't quite get that. Could you try asking differently? "
}
```

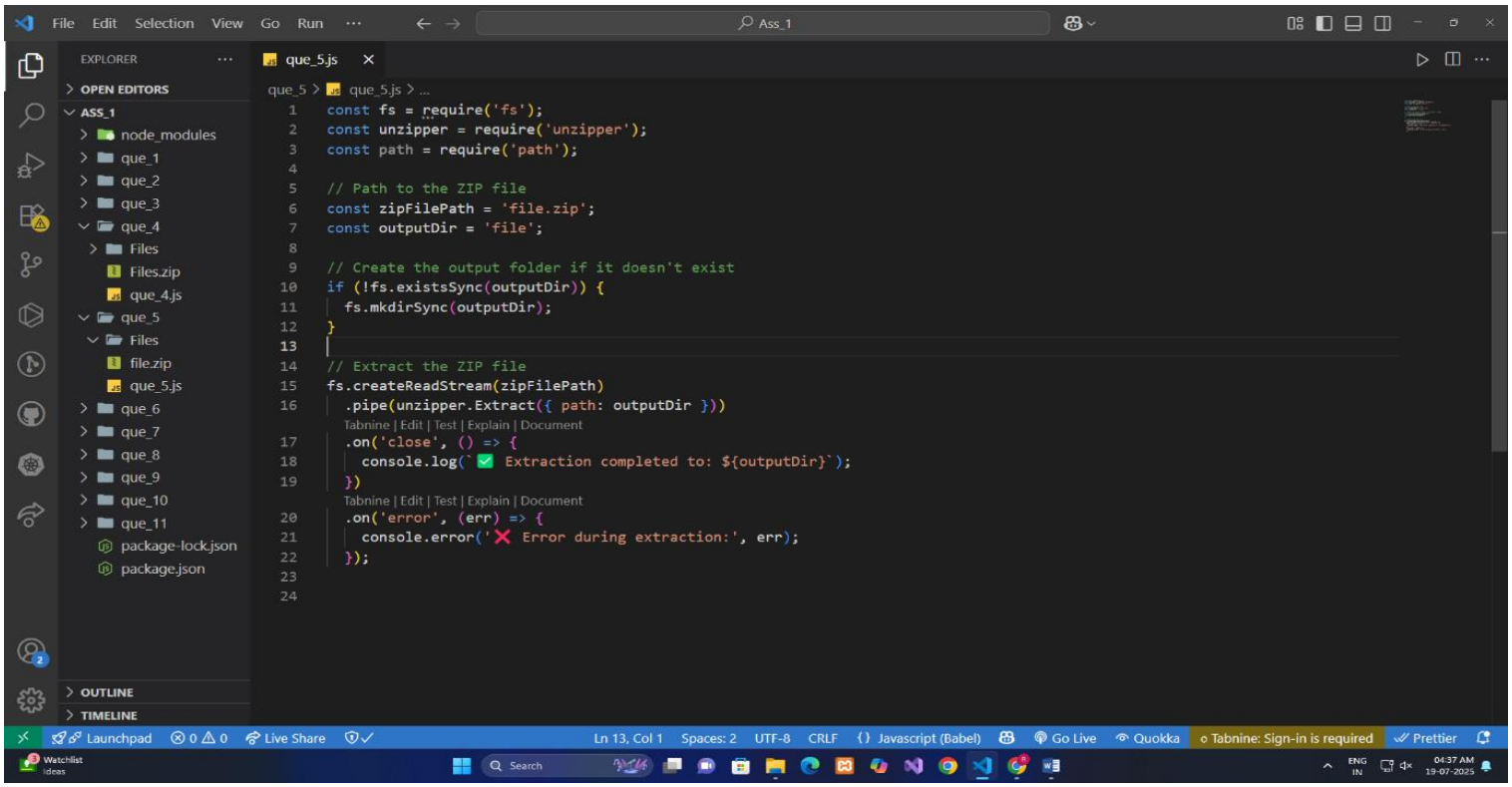

File Edit Selection View Go Run Terminal Help
Ass_1
EXPLORER
OPEN EDITORS
ASS_1
node_modules
que1
que2
que3
app.js
chatbot.js
que4
que6
que7
que8
que9
que10
que11
package-lock.json
package.json
Practical Assignm...
chatbot.js
app.js
que3 > app.js > ...
const readline = require('readline')
const chatbot = require('./chatbot')
const rl = readline.createInterface({
input:process.stdin,
output:process.stdout,
prompt:"You : ",
})
console.log("Welcome to the Domain-Specific Chatbot! (type 'exit' to quit)")
rl.prompt()
Tabnine | Edit | Test | Explain | Document
rl.on("line", (line)=>{
const input=line.trim();
if(input.toLowerCase() ==="exit"){
console.log("Chatbot : Bye..!!!");
rl.close();
return;
}
const reply = chatbot.ChatbotReply(input);
console.log("Chatbot:" , reply);
rl.prompt();
})
Tabnine | Edit | Test | Explain | Document
rl.on("close", ()=>{
process.exit(0);
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS B:\Sem7_139\FULL_STACK\Ass_1> cd que3
PS B:\Sem7_139\FULL_STACK\Ass_1\que3> node app
Welcome to the Domain-Specific Chatbot! (type 'exit' to quit)
You : hi
Chatbot: Hello I am Maniya, your assistant. How may I help you?
You : your age
Chatbot: I am 21 year old.
You : your location
Chatbot: I live in India.
You : exit
Chatbot : Bye..!!!
PS B:\Sem7_139\FULL_STACK\Ass_1\que3>
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 29, Col 4
Spaces: 4
UTF-8
CRLF
Babel JavaScript
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
Search
ENG
IN
10:00 AM
19-07-2025

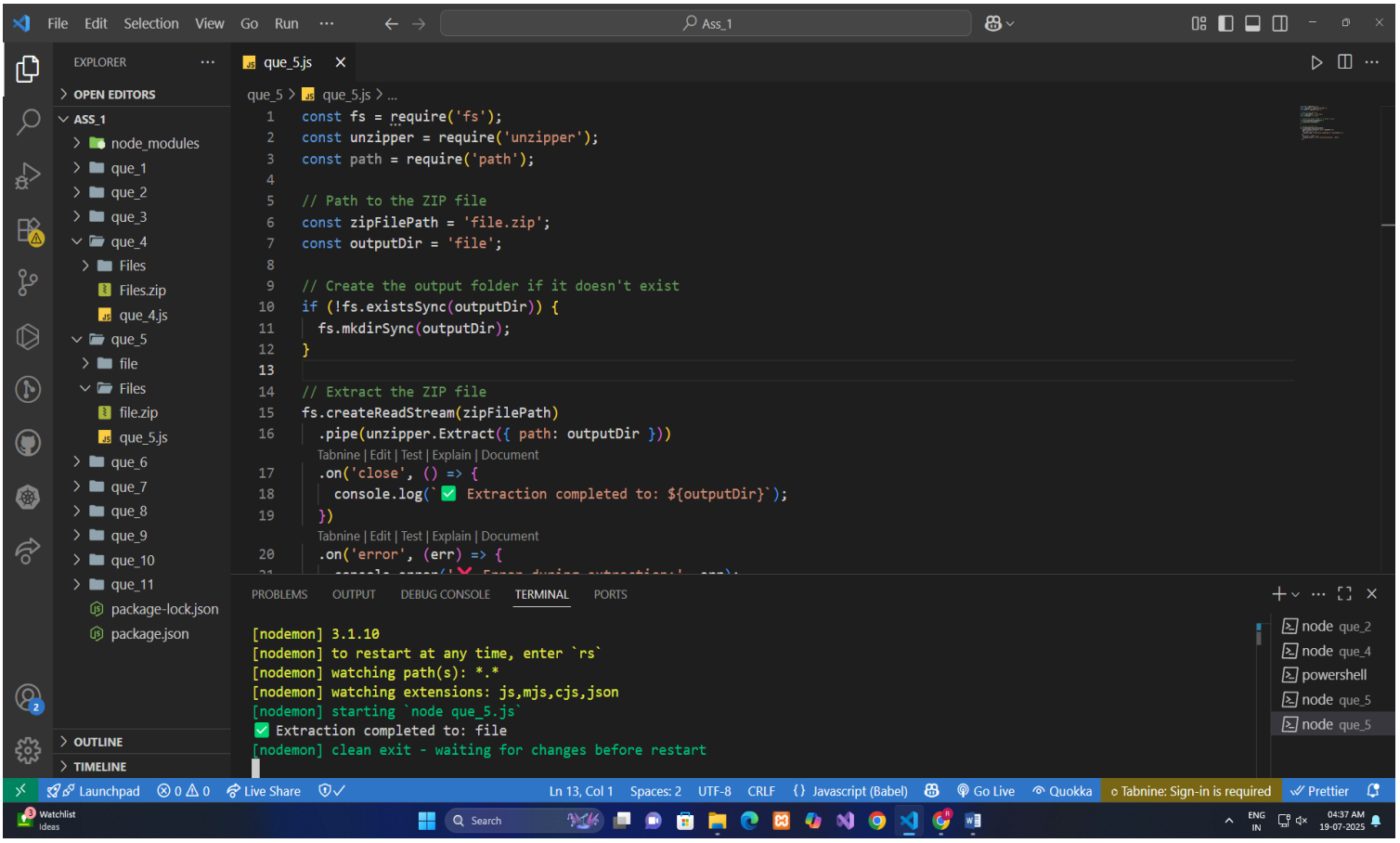
Que-4


File Edit Selection View Go Run
Ass_1
EXPLORER
que_4.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
app.js
chatbot.js
que_4
Files
que_4.js
que_5
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
que_4 > que_4.js > ...
1 const fs = require('fs');
2 const archiver = require('archiver'); 324.9k (gzipped: 95.2k)
3 const path = require('path');
4
5 // Folder to zip
6 const folderToZip = 'Files';
7 const outputZipFile = 'Files.zip';
8
9 // Create a file to stream archive data to.
10 const output = fs.createWriteStream(outputZipFile);
11 const archive = archiver('zip', {
12 zlib: { level: 9 } // Maximum compression
13 });
14
15 // Listen for archive completion
Tabnine | Edit | Test | Explain | Document
16 output.on('close', () => {
17 console.log(`✅ Archive created: ${outputZipFile} (${archive.pointer()} total bytes)`);
18 });
19
20 // Handle errors
Tabnine | Edit | Test | Explain | Document
21 archive.on('error', err => {
22 throw err;
23 });
24
25 // Pipe archive data to the file
26 archive.pipe(output);
27
28 // Append the entire folder (recursively)
29 archive.directory(folderToZip, false);
30
Launchpad
Live Share
Ln 26, Col 22
Spaces: 2
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
Search

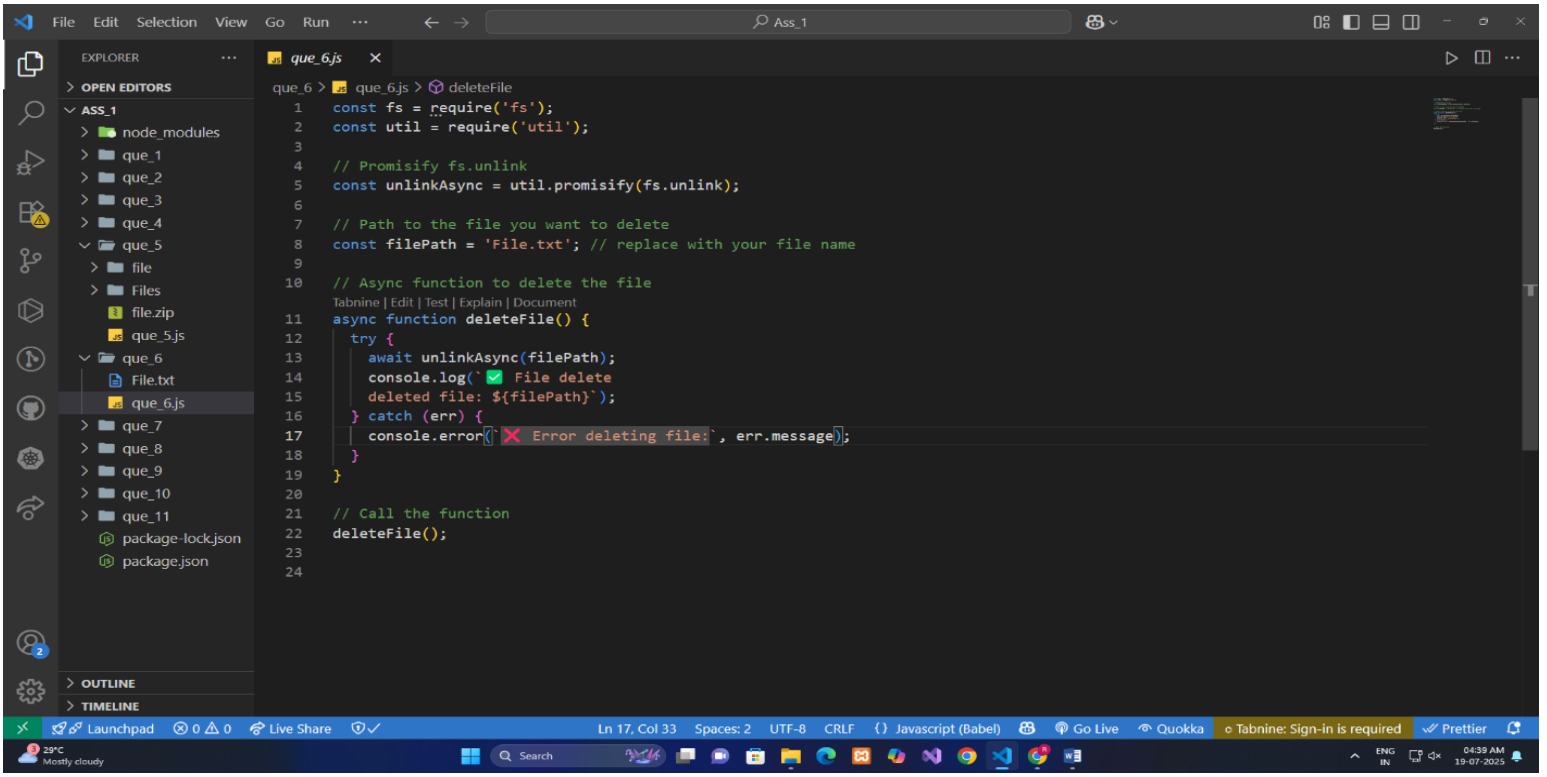

File Edit Selection View Go Run
Ass_1
EXPLORER
que_4.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
app.js
chatbot.js
que_4
Files
Files.zip
que_4.js
que_5
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
que_4 > que_4.js > ...
1 const fs = require('fs');
2 const archiver = require('archiver'); 324.9k (gzipped: 95.2k)
3 const path = require('path');
4
5 // Folder to zip
6 const folderToZip = 'Files';
7 const outputZipFile = 'Files.zip';
8
9 // Create a file to stream archive data to.
10 const output = fs.createWriteStream(outputZipFile);
11 const archive = archiver('zip', {
12 zlib: { level: 9 } // Maximum compression
13 });
14
15 // Listen for archive completion
Tabnine | Edit | Test | Explain | Document
16 output.on('close', () => {
17 console.log(`✅ Archive created: ${outputZipFile} (${archive.pointer()} total bytes)`);
18 });
19
20 // Handle errors
Tabnine | Edit | Test | Explain | Document
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node que_2
node que_4
powershell
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_4.js`
✅ Archive created: Files.zip (143 total bytes)
[nodemon] clean exit - waiting for changes before restart
Launchpad
Live Share
Ln 26, Col 22
Spaces: 2
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier

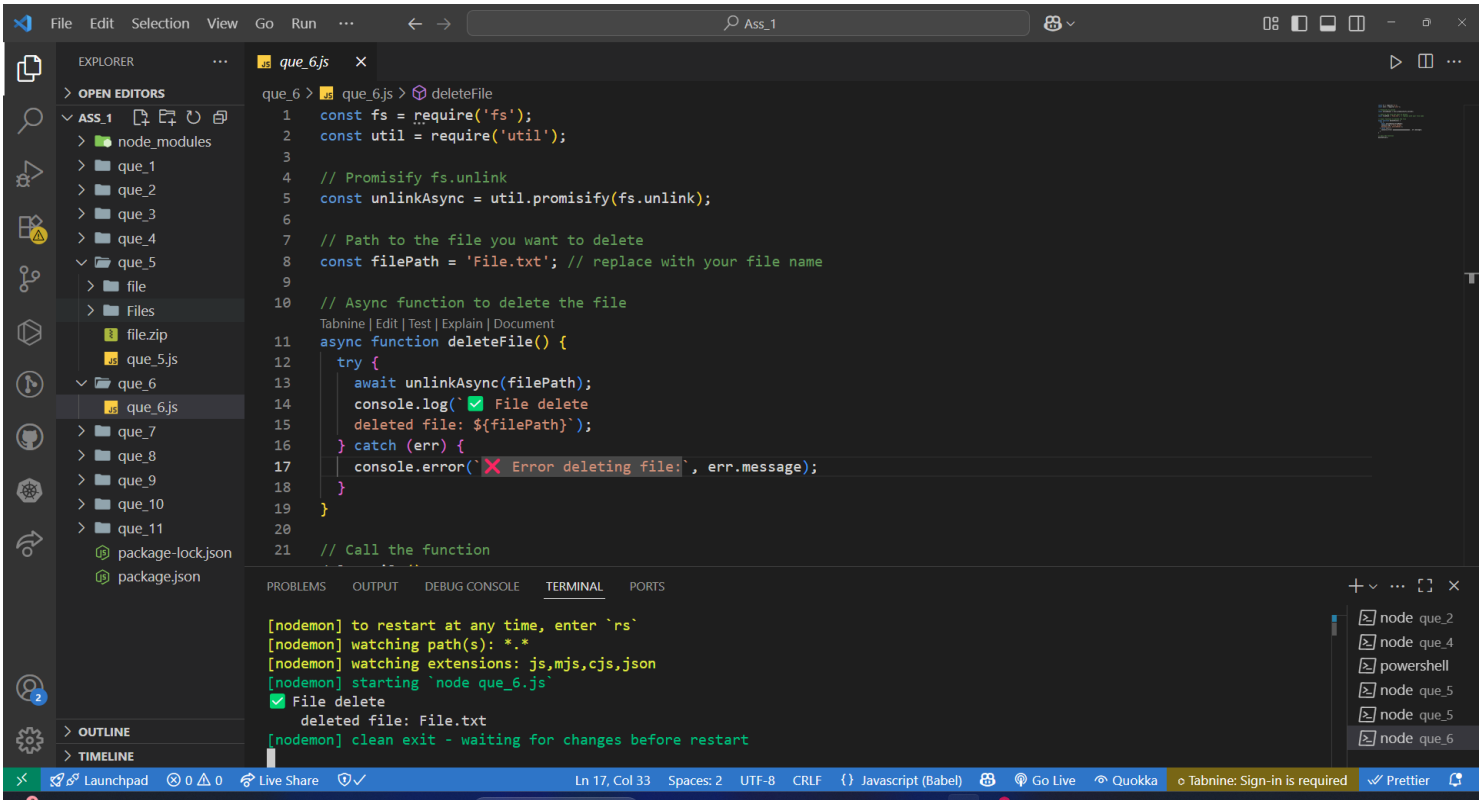
Que-5


File Edit Selection View Go Run
Ass_1
EXPLORER
que_5.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
Files
Files.zip
que_4.js
que_5
Files
file.zip
que_5.js
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
que_5 > que_5.js > ...
1 const fs = require('fs');
2 const unzipper = require('unzipper');
3 const path = require('path');
4
5 // Path to the ZIP file
6 const zipFilePath = 'file.zip';
7 const outputDir = 'file';
8
9 // Create the output folder if it doesn't exist
10 if (!fs.existsSync(outputDir)) {
11 fs.mkdirSync(outputDir);
12 }
13
14 // Extract the ZIP file
15 fs.createReadStream(zipFilePath)
16 .pipe(unzipper.Extract({ path: outputDir }))
Tabnine | Edit | Test | Explain | Document
17 .on('close', () => {
18 console.log(`✅ Extraction completed to: ${outputDir}`);
19 })
Tabnine | Edit | Test | Explain | Document
20 .on('error', (err) => {
21 console.error('❌ Error during extraction:', err);
22 });
23
24
Launchpad 0 0 Live Share
Ln 13, Col 1 Spaces: 2 UTF-8 CRLF {} Javascript (Babel) Go Live Quokka Tabnine: Sign-in is required Prettier
Watchlist Ideas
Search
ENG IN
04:37 AM 19-07-2025

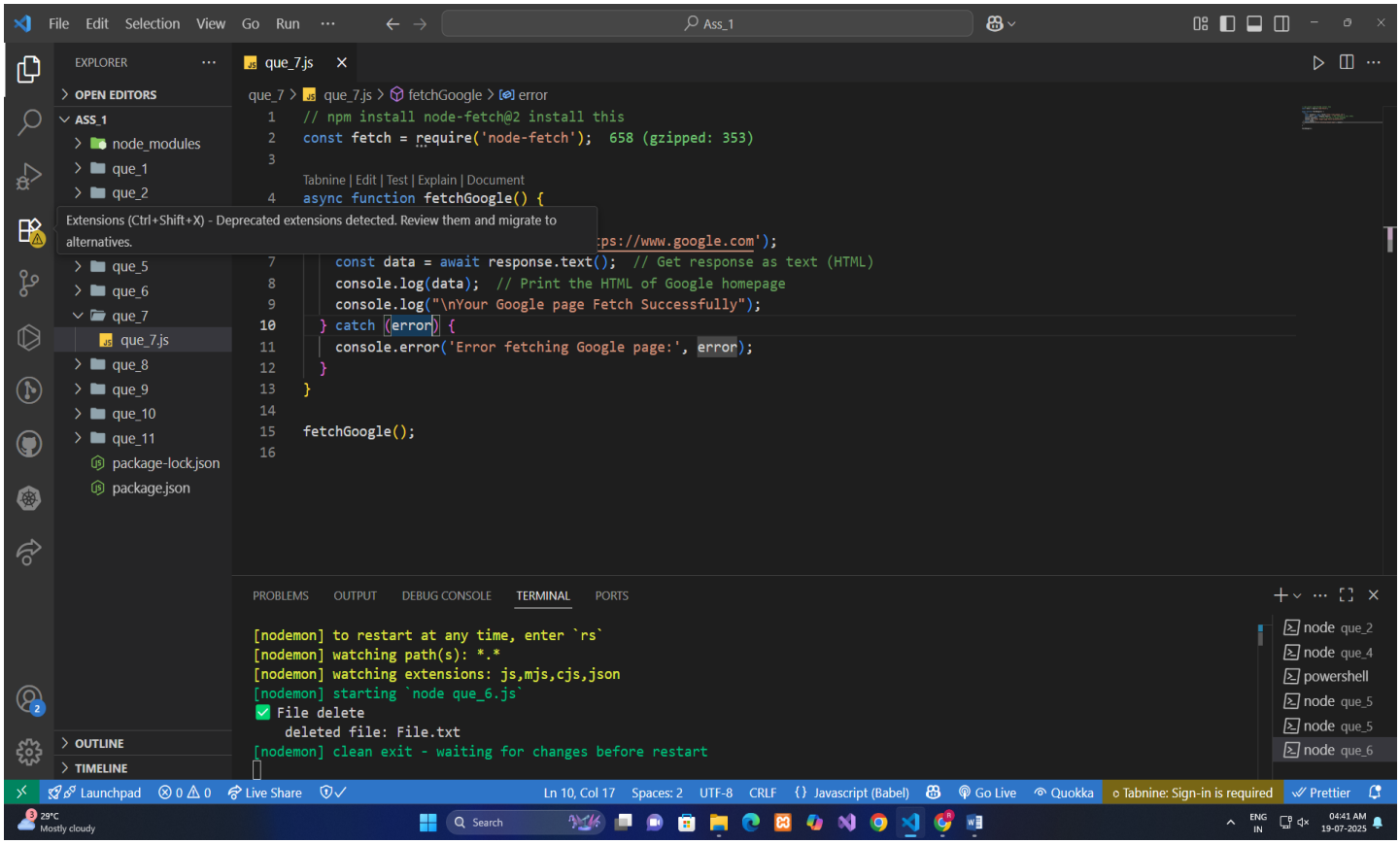

File Edit Selection View Go Run
Ass_1
EXPLORER
que_5.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
Files
Files.zip
que_4.js
que_5
file
Files
file.zip
que_5.js
que_6
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
que_5 > que_5.js > ...
1 const fs = require('fs');
2 const unzipper = require('unzipper');
3 const path = require('path');
4
5 // Path to the ZIP file
6 const zipFilePath = 'file.zip';
7 const outputDir = 'file';
8
9 // Create the output folder if it doesn't exist
10 if (!fs.existsSync(outputDir)) {
11 fs.mkdirSync(outputDir);
12 }
13
14 // Extract the ZIP file
15 fs.createReadStream(zipFilePath)
16 .pipe(unzipper.Extract({ path: outputDir }))
Tabnine | Edit | Test | Explain | Document
17 .on('close', () => {
18 console.log(`✅ Extraction completed to: ${outputDir}`);
19 })
Tabnine | Edit | Test | Explain | Document
20 .on('error', (err) => {
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_5.js`
✅ Extraction completed to: file
[nodemon] clean exit - waiting for changes before restart
node que_2
node que_4
powershell
node que_5
node que_5
Launchpad 0 0 Live Share
Ln 13, Col 1 Spaces: 2 UTF-8 CRLF {} Javascript (Babel) Go Live Quokka Tabnine: Sign-in is required Prettier
Watchlist Ideas
Search
ENG IN
04:37 AM 19-07-2025

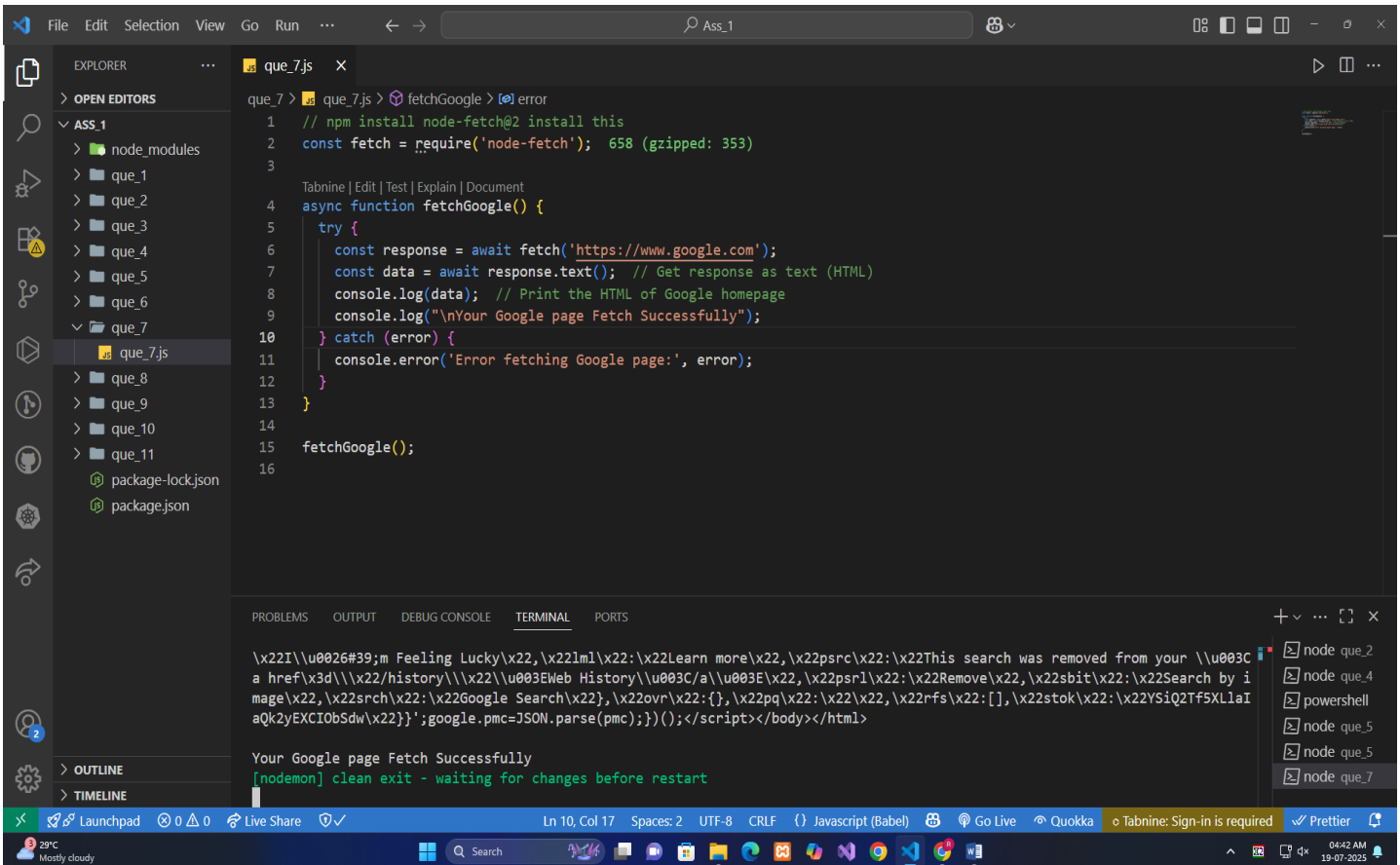
Que-6


File Edit Selection View Go Run
Ass_1
EXPLORER
que_6.js
que_6 > que_6.js > deleteFile
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
que_5
file
Files
file.zip
que_5.js
que_6
File.txt
que_6.js
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
1 const fs = require('fs');
2 const util = require('util');
3
4 // Promisify fs.unlink
5 const unlinkAsync = util.promisify(fs.unlink);
6
7 // Path to the file you want to delete
8 const filePath = 'File.txt'; // replace with your file name
9
10 // Async function to delete the file
Tabnine | Edit | Test | Explain | Document
11 async function deleteFile() {
12 try {
13 await unlinkAsync(filePath);
14 console.log(`✅ File delete
15 deleted file: ${filePath}`);
16 } catch (err) {
17 console.error(`❌ Error deleting file:`, err.message);
18 }
19 }
20
21 // Call the function
22 deleteFile();
23
24
Launchpad 0 0 Live Share
Ln 17, Col 33 Spaces: 2 UTF-8 CRLF Javascript (Babel) Go Live Quokka Tabnine: Sign-in is required Prettier
29°C Mostly cloudy
Search
ENG IN
04:39 AM 19-07-2025

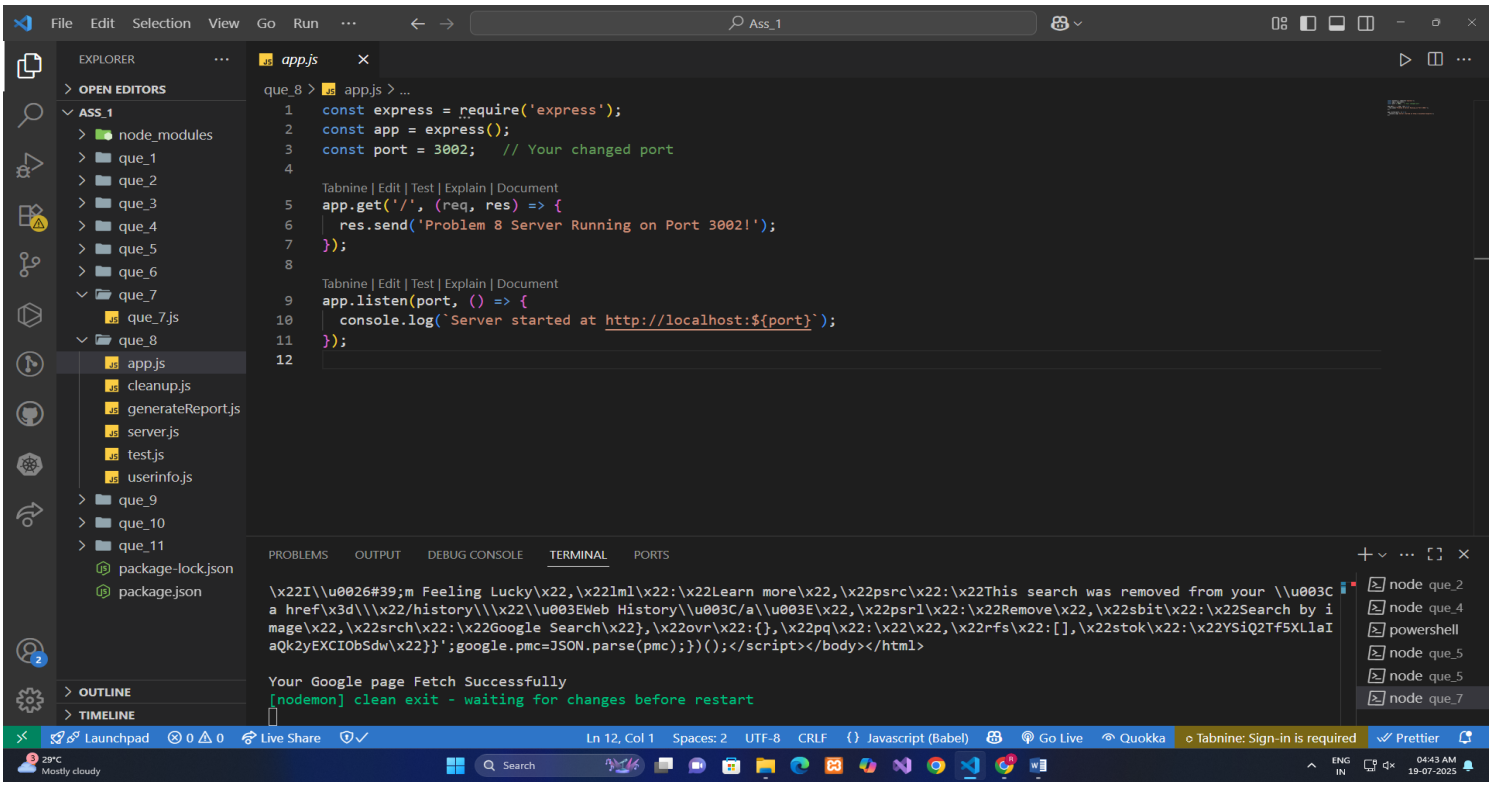

File Edit Selection View Go Run
Ass_1
EXPLORER
que_6.js
que_6 > que_6.js > deleteFile
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
que_5
file
Files
file.zip
que_5.js
que_6
que_6.js
que_7
que_8
que_9
que_10
que_11
package-lock.json
package.json
OUTLINE
TIMELINE
1 const fs = require('fs');
2 const util = require('util');
3
4 // Promisify fs.unlink
5 const unlinkAsync = util.promisify(fs.unlink);
6
7 // Path to the file you want to delete
8 const filePath = 'File.txt'; // replace with your file name
9
10 // Async function to delete the file
Tabnine | Edit | Test | Explain | Document
11 async function deleteFile() {
12 try {
13 await unlinkAsync(filePath);
14 console.log(`✅ File delete
15 deleted file: ${filePath}`);
16 } catch (err) {
17 console.error(`❌ Error deleting file:`, err.message);
18 }
19 }
20
21 // Call the function
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_6.js`
✅ File delete
deleted file: File.txt
[nodemon] clean exit - waiting for changes before restart
node que_2
node que_4
powershell
node que_5
node que_5
node que_6
Launchpad 0 0 Live Share
Ln 17, Col 33 Spaces: 2 UTF-8 CRLF Javascript (Babel) Go Live Quokka Tabnine: Sign-in is required Prettier

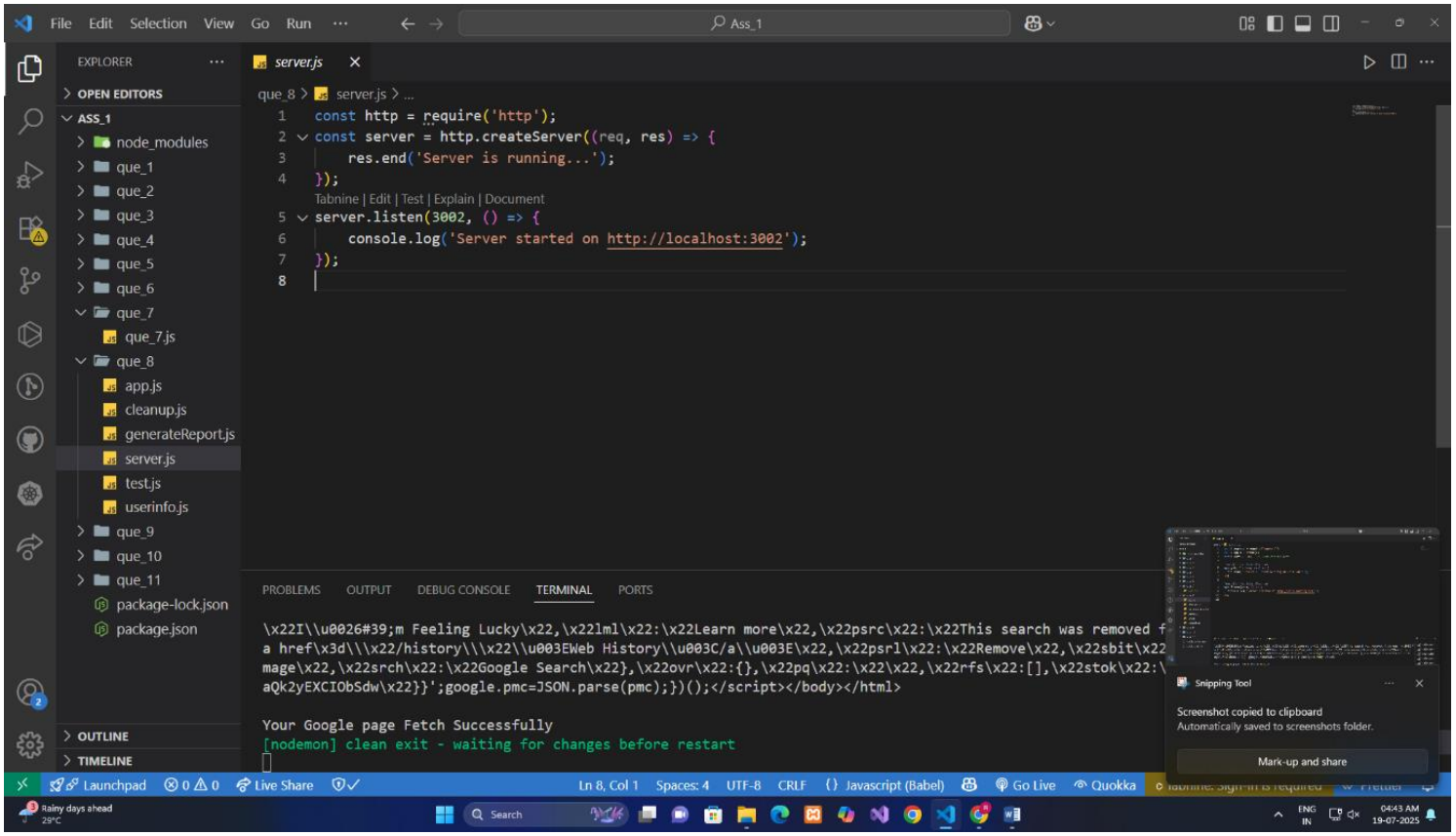
Que-7

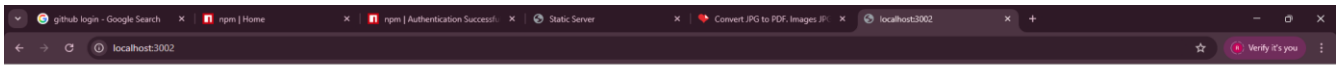

File Edit Selection View Go Run
Ass_1
EXPLORER
que_7.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_5
que_6
que_7
que_7.js
que_8
que_9
que_10
que_11
package-lock.json
package.json
Extensions (Ctrl+Shift+X) - Deprecated extensions detected. Review them and migrate to alternatives.
que_7 > que_7.js > fetchGoogle > error
// npm install node-fetch@2 install this
const fetch = require('node-fetch'); 658 (gzipped: 353)
Tabnine | Edit | Test | Explain | Document
async function fetchGoogle() {
try {
const response = await fetch('https://www.google.com');
const data = await response.text(); // Get response as text (HTML)
console.log(data); // Print the HTML of Google homepage
console.log("\nYour Google page Fetch Successfully");
} catch (error) {
console.error('Error fetching Google page:', error);
}
}
fetchGoogle();
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_6.js`
File delete
deleted file: File.txt
[nodemon] clean exit - waiting for changes before restart
node que_2
node que_4
powershell
node que_5
node que_5
node que_6
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 10, Col 17
Spaces: 2
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
29°C
Mostly cloudy
Search
ENG
IN
04:41 AM
19-07-2025


File Edit Selection View Go Run
Ass_1
EXPLORER
que_7.js
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
que_5
que_6
que_7
que_7.js
que_8
que_9
que_10
que_11
package-lock.json
package.json
que_7 > que_7.js > fetchGoogle > error
// npm install node-fetch@2 install this
const fetch = require('node-fetch'); 658 (gzipped: 353)
Tabnine | Edit | Test | Explain | Document
async function fetchGoogle() {
try {
const response = await fetch('https://www.google.com');
const data = await response.text(); // Get response as text (HTML)
console.log(data); // Print the HTML of Google homepage
console.log("\nYour Google page Fetch Successfully");
} catch (error) {
console.error('Error fetching Google page:', error);
}
}
fetchGoogle();
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
\x22I\\u0026#39;m Feeling Lucky\x22,\x22lml\x22:\x22Learn more\x22,\x22psrc\x22:\x22This search was removed from your \\u003C a href\x3d\\\x22/history\\\x22\\u003EWeb History\\u003C/a\\u003E\x22,\x22psrl\x22:\x22Remove\x22,\x22sbit\x22:\x22Search by image\x22,\x22srch\x22:\x22Google Search\x22},\x22ovr\x22:{},\x22pq\x22:\x22\x22,\x22rfs\x22:[],\x22stok\x22:\x22YSiQ2Tf5XL1aIaQk2yEXCIObSdw\x22}}';google.pmc=JSON.parse(pmc);})();</script></body></html>
Your Google page Fetch Successfully
[nodemon] clean exit - waiting for changes before restart
node que_2
node que_4
powershell
node que_5
node que_5
node que_7
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 10, Col 17
Spaces: 2
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier
29°C
Mostly cloudy
Search
04:42 AM
19-07-2025

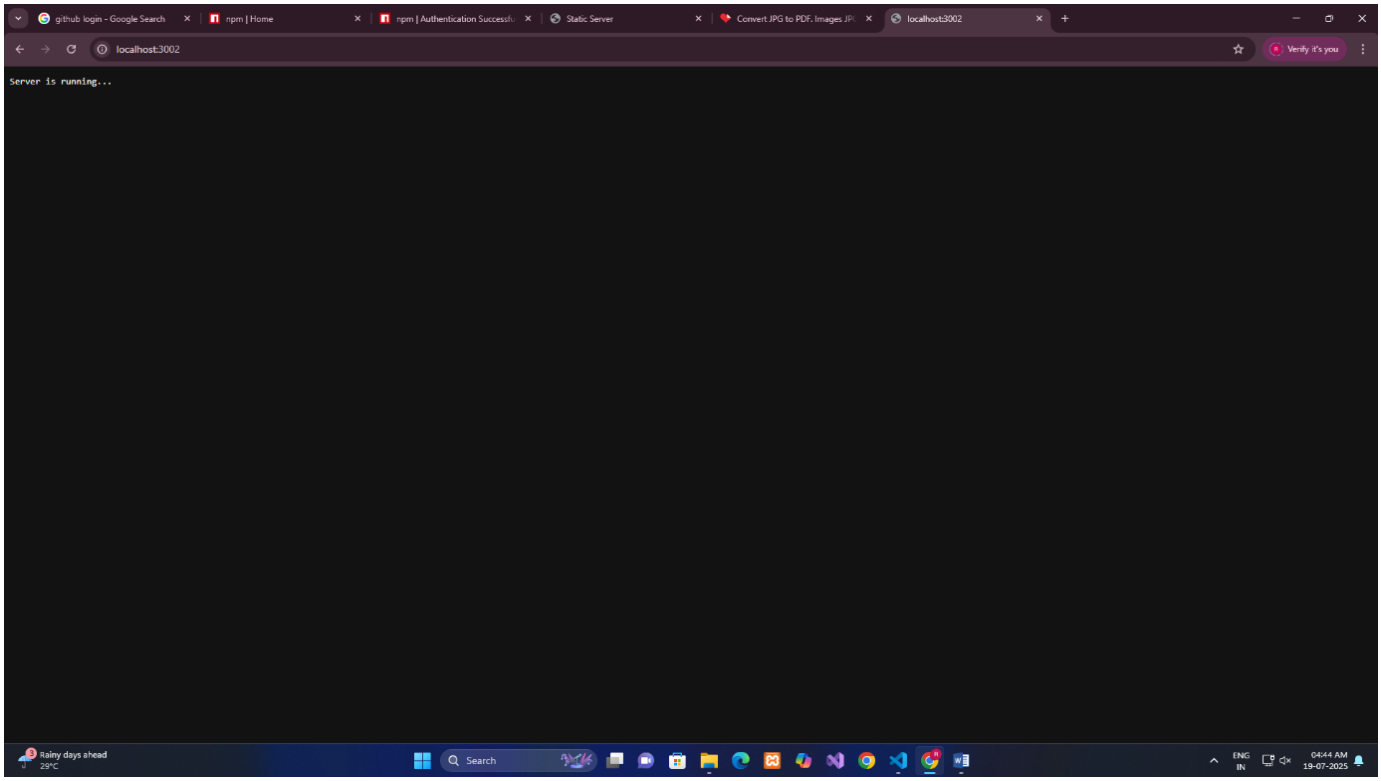
Que-8


File Edit Selection View Go Run
Ass_1
EXPLORER
app.js
que_8 > app.js > ...
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 DEBUG CONSOLE TERMINAL PORTS
Your Google page Fetch Successfully
[nodemon] clean exit - waiting for changes before restart

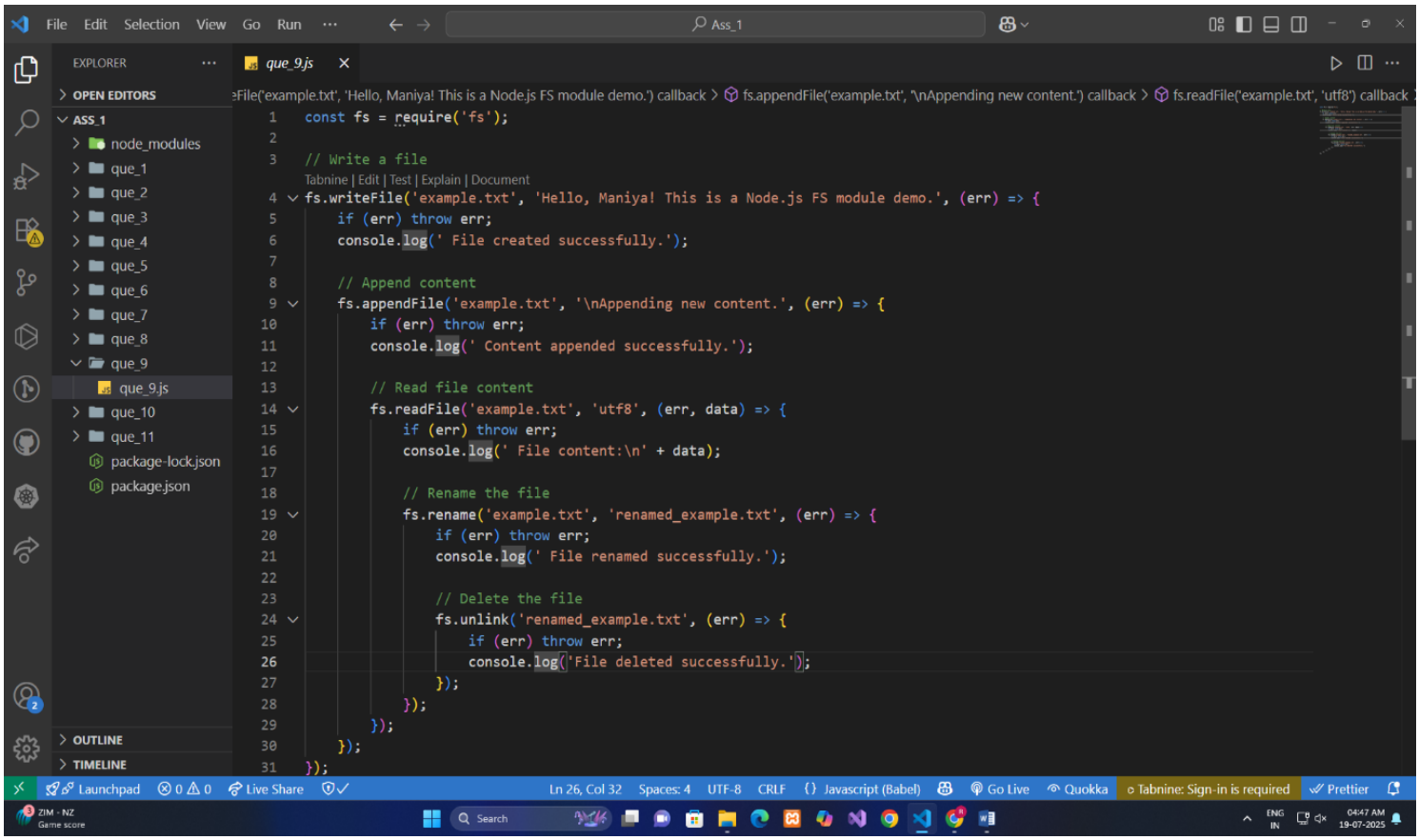

File Edit Selection View Go Run
Ass_1
EXPLORER
server.js
que_8 > server.js > ...
const http = require('http');
const server = http.createServer((req, res) => {
res.end('Server is running...');
});
server.listen(3002, () => {
console.log('Server started on http://localhost:3002');
});
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Your Google page Fetch Successfully
[nodemon] clean exit - waiting for changes before restart
Snipping Tool
Screenshot copied to clipboard
Automatically saved to screenshots folder.
Mark-up and share



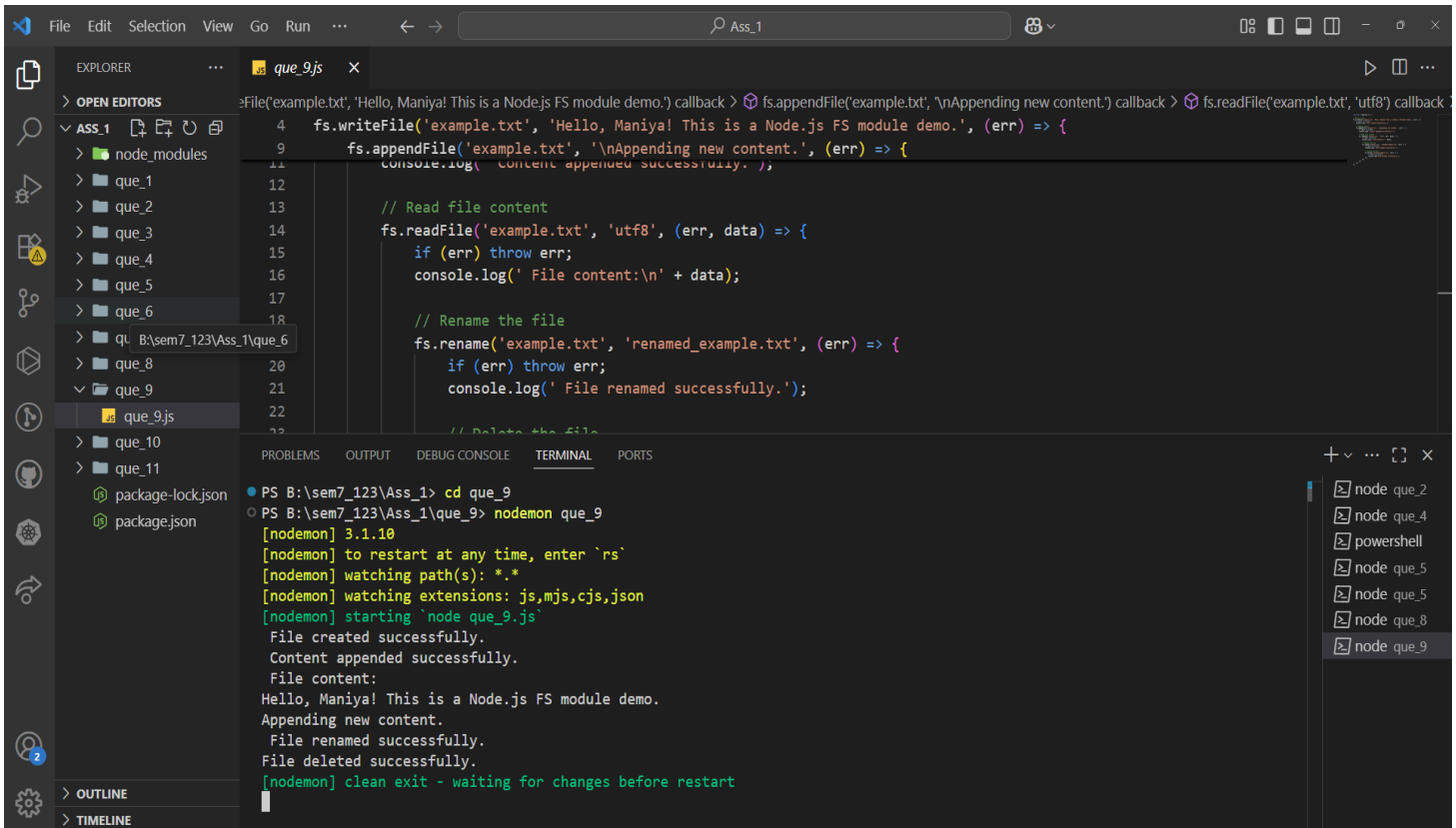
Problem 8 Server Running on Port 3002!



Que-9

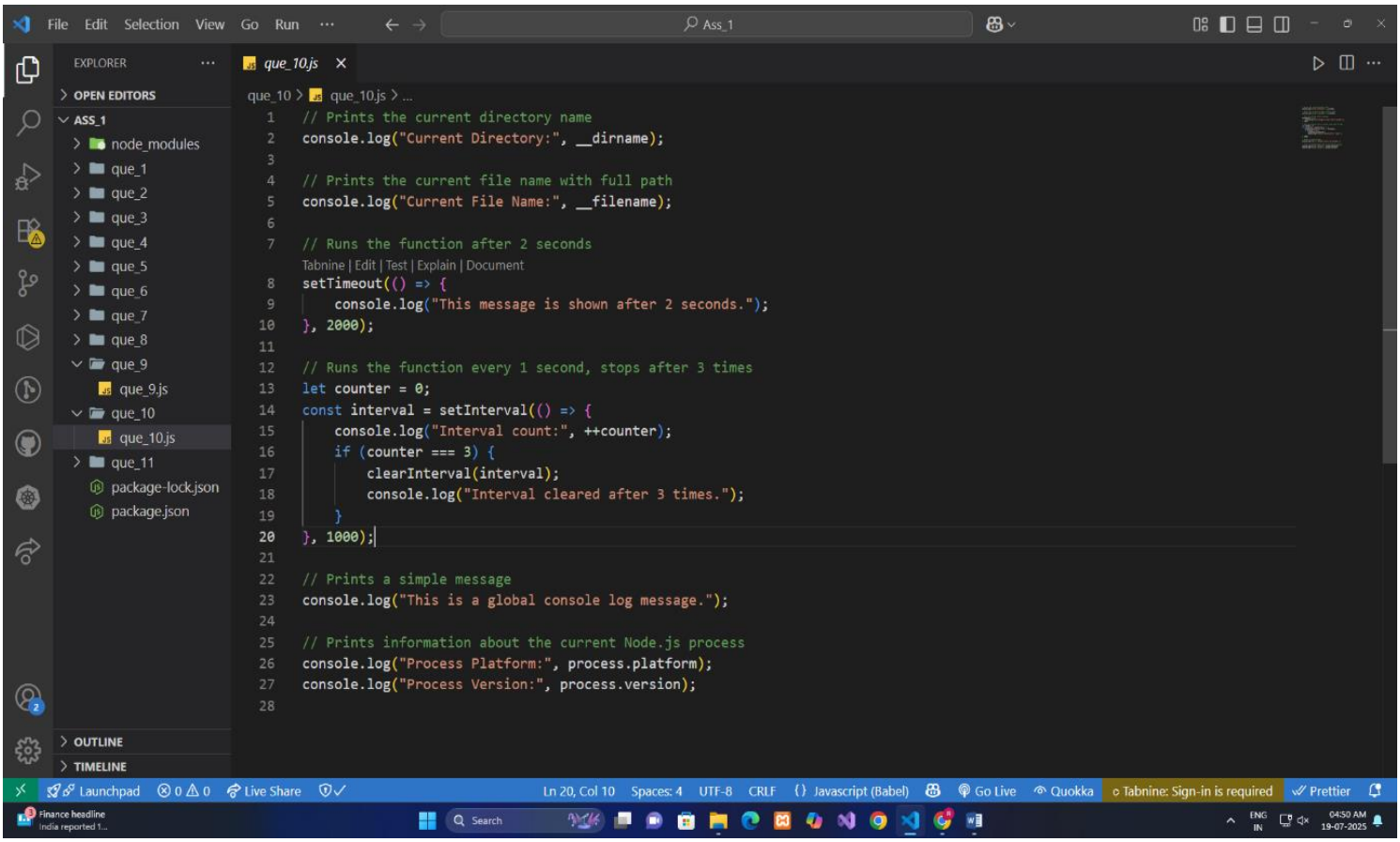


```
const fs = require('fs');

// Write a file
fs.writeFile('example.txt', 'Hello, Maniya! 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.');
                });
            });
        });
    });
});
```

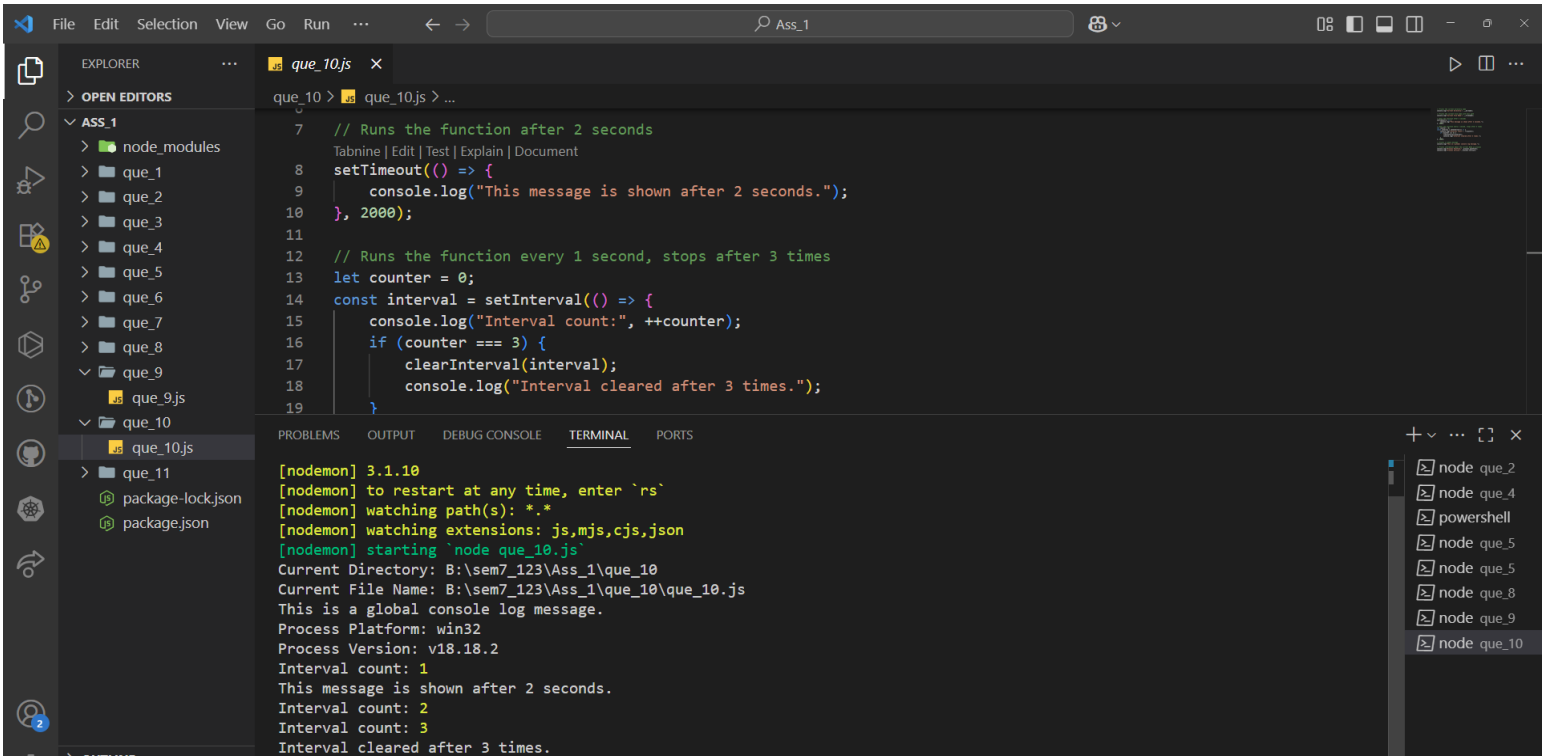


```
PS B:\sem7_123\Ass_1> cd que_9
PS B:\sem7_123\Ass_1\que_9> nodemon que_9
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_9.js`
 File created successfully.
 Content appended successfully.
 File content:
Hello, Maniya! This is a Node.js FS module demo.
Appending new content.
 File renamed successfully.
File deleted successfully.
[nodemon] clean exit - waiting for changes before restart
```

Que-10



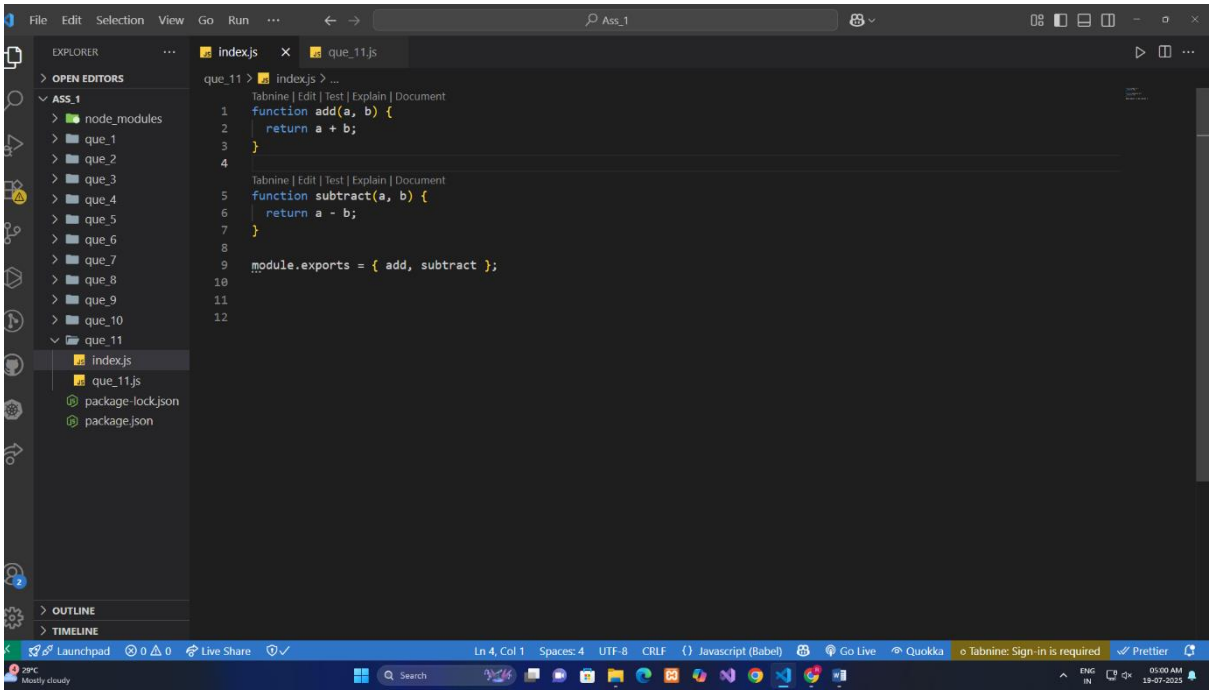
```
// Prints the current directory name
console.log("Current Directory:", __dirname);

// Prints the current file name with full path
console.log("Current File Name:", __filename);

// Runs the function after 2 seconds
Tabnine | Edit | Test | Explain | Document
setTimeout(() => {
    console.log("This message is shown after 2 seconds.");
}, 2000);

// Runs the function every 1 second, stops after 3 times
let counter = 0;
const interval = setInterval(() => {
    console.log("Interval count:", ++counter);
    if (counter === 3) {
        clearInterval(interval);
        console.log("Interval cleared after 3 times.");
    }
}, 1000);

// Prints a simple message
console.log("This is a global console log message.");

// Prints information about the current Node.js process
console.log("Process Platform:", process.platform);
console.log("Process Version:", process.version);
```

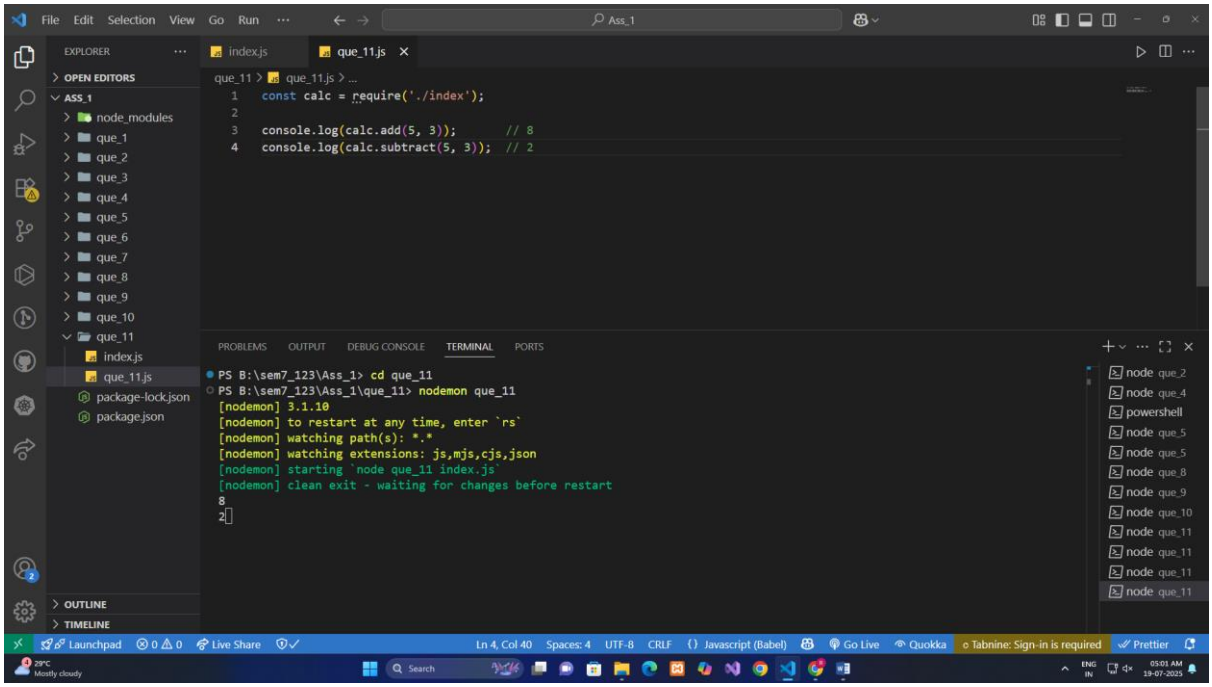


```
// Runs the function after 2 seconds
Tabnine | Edit | Test | Explain | Document
setTimeout(() => {
    console.log("This message is shown after 2 seconds.");
}, 2000);

// Runs the function every 1 second, stops after 3 times
let counter = 0;
const interval = setInterval(() => {
    console.log("Interval count:", ++counter);
    if (counter === 3) {
        clearInterval(interval);
        console.log("Interval cleared after 3 times.");
    }
```

```
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_10.js`
Current Directory: B:\sem7_123\Ass_1\que_10
Current File Name: B:\sem7_123\Ass_1\que_10\que_10.js
This is a global console log message.
Process Platform: win32
Process Version: v18.18.2
Interval count: 1
This message is shown after 2 seconds.
Interval count: 2
Interval count: 3
Interval cleared after 3 times.
```

Que-11


File Edit Selection View Go Run
Ass_1
EXPLORER
index.js
que_11.js
que_11 > index.js > ...
Tabnine | Edit | Test | Explain | Document
function add(a, b) {
return a + b;
}
Tabnine | Edit | Test | Explain | Document
function subtract(a, b) {
return a - b;
}
module.exports = { add, subtract };
OPEN EDITORS
ASS_1
node_modules
que_1
que_2
que_3
que_4
que_5
que_6
que_7
que_8
que_9
que_10
que_11
index.js
que_11.js
package-lock.json
package.json
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 4, Col 1
Spaces: 4
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier


File Edit Selection View Go Run
Ass_1
EXPLORER
index.js
que_11.js
que_11 > que_11.js > ...
const calc = require('./index');
console.log(calc.add(5, 3)); // 8
console.log(calc.subtract(5, 3)); // 2
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS B:\sem7_123\Ass_1> cd que_11
PS B:\sem7_123\Ass_1\que_11> nodemon que_11
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node que_11 index.js`
[nodemon] clean exit - waiting for changes before restart
8
2
node que_2
node que_4
powershell
node que_5
node que_5
node que_8
node que_9
node que_10
node que_11
node que_11
node que_11
node que_11
OUTLINE
TIMELINE
Launchpad
Live Share
Ln 4, Col 40
Spaces: 4
UTF-8
CRLF
Javascript (Babel)
Go Live
Quokka
Tabnine: Sign-in is required
Prettier