**Name : Monax Bhadiyadara**

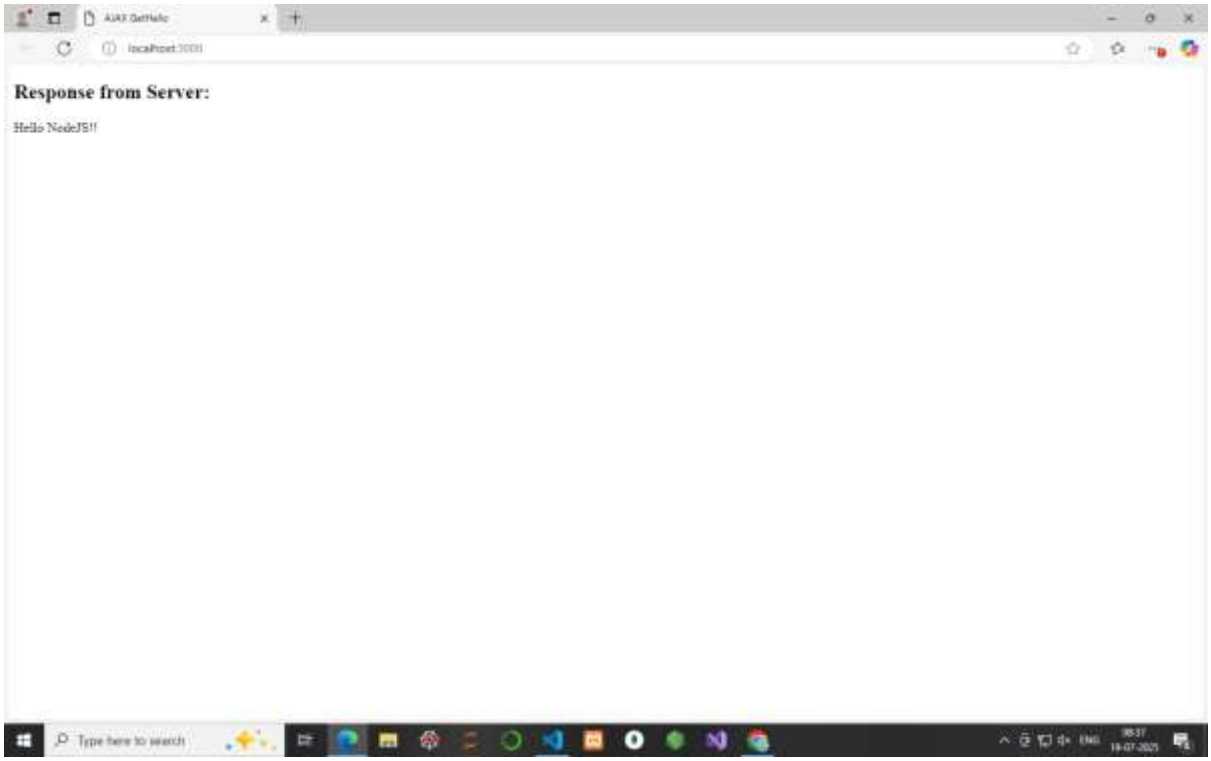
**Semester : 7th**

**Division : A**

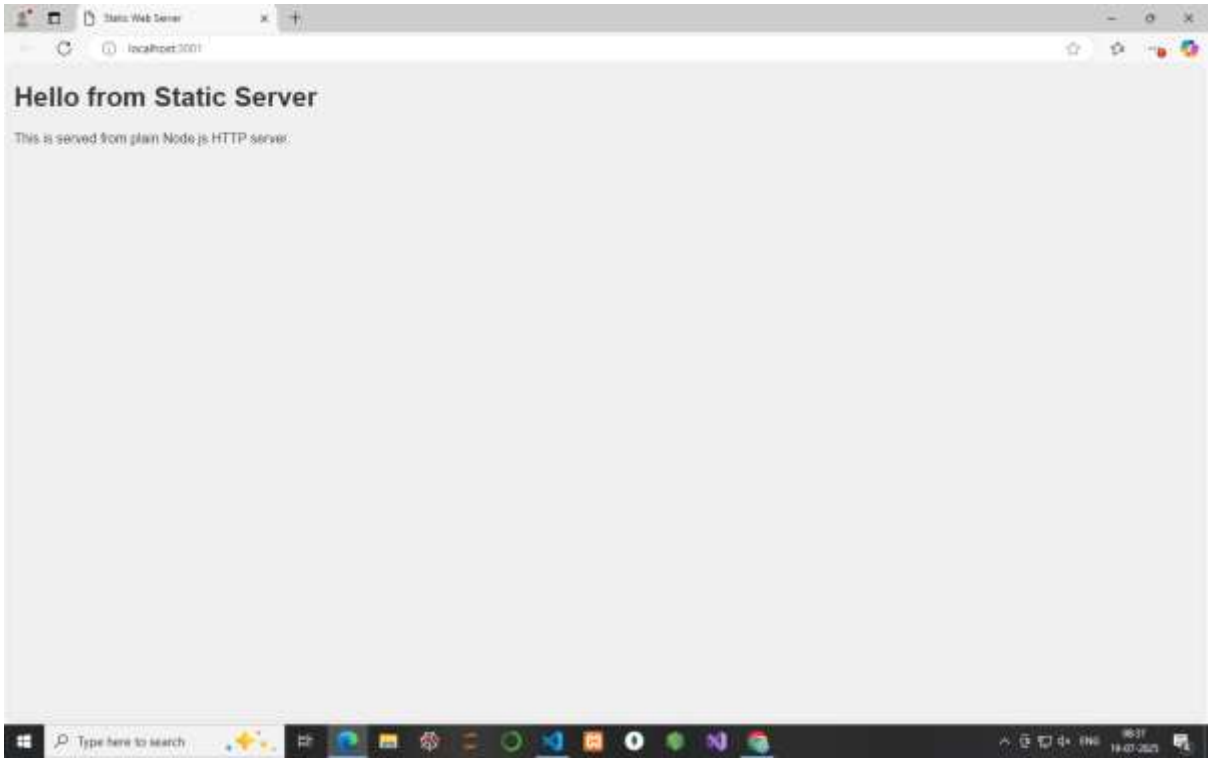
**Roll no : 05**

**Practical Assignment – 1**

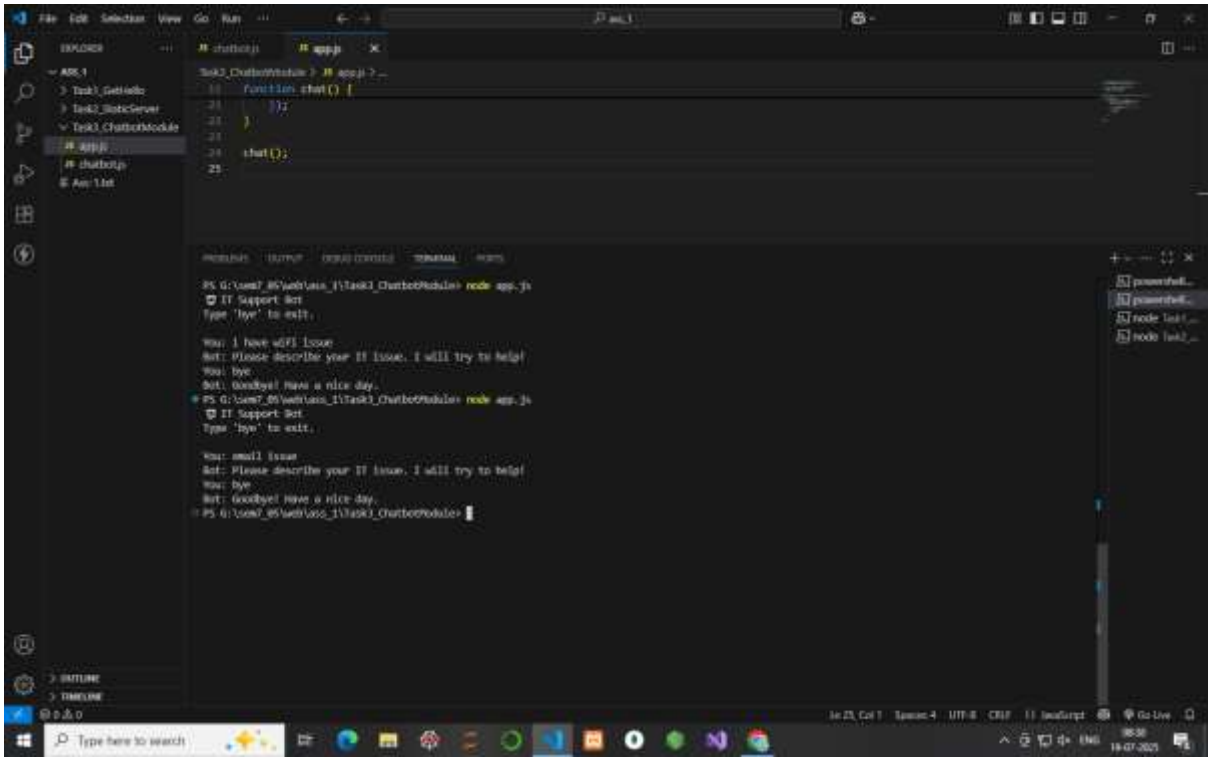
1 .



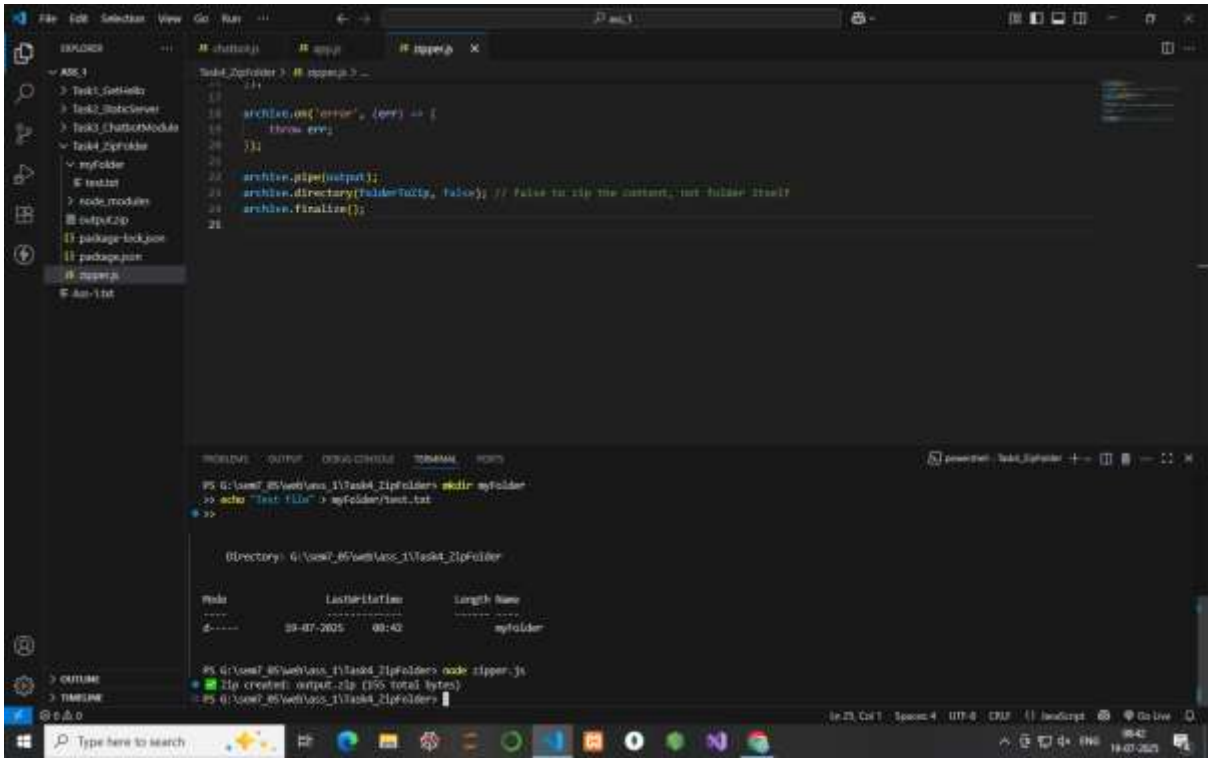
2.


Hello from Static Server
This is served from plain Node.js HTTP server.

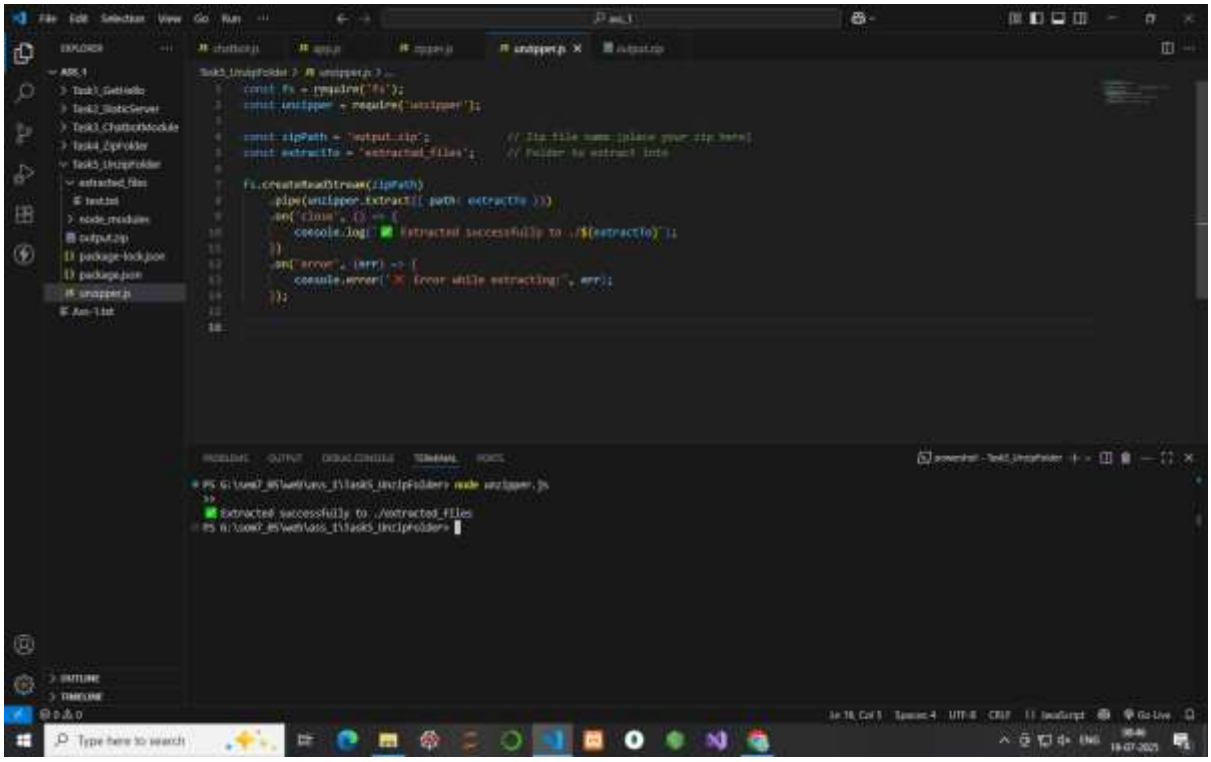
3.



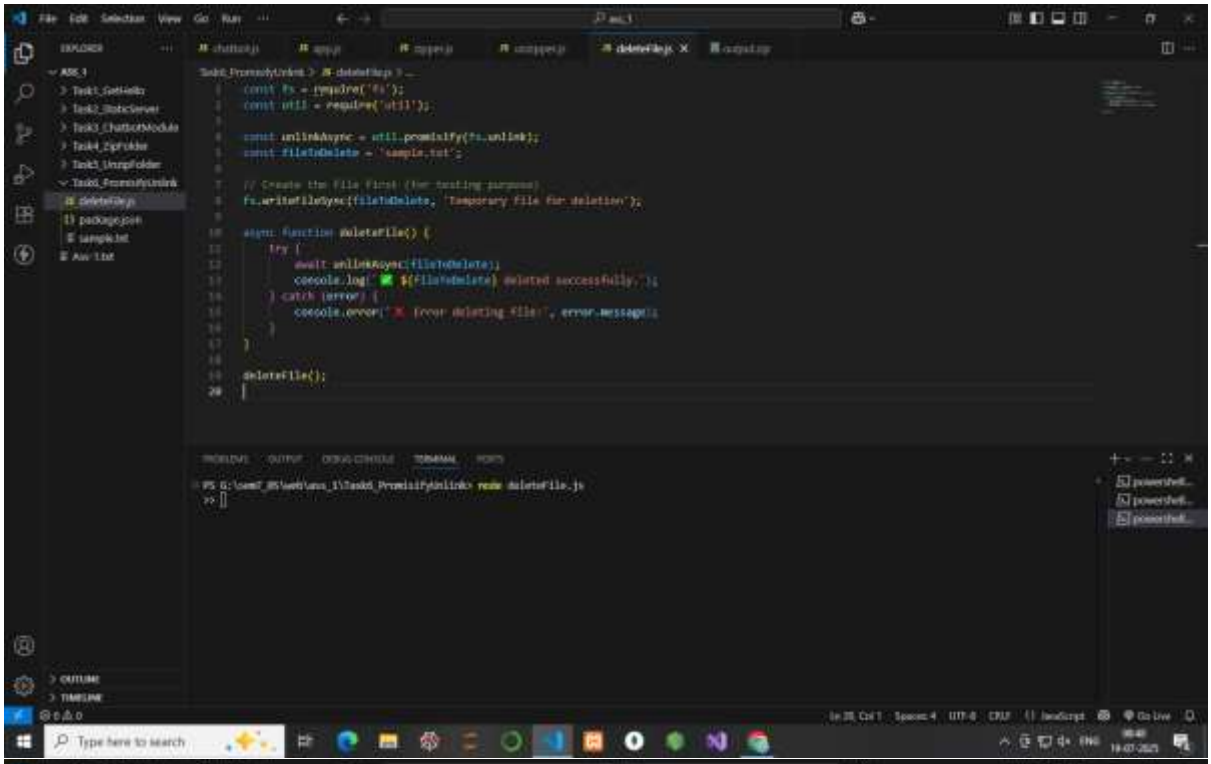
4.

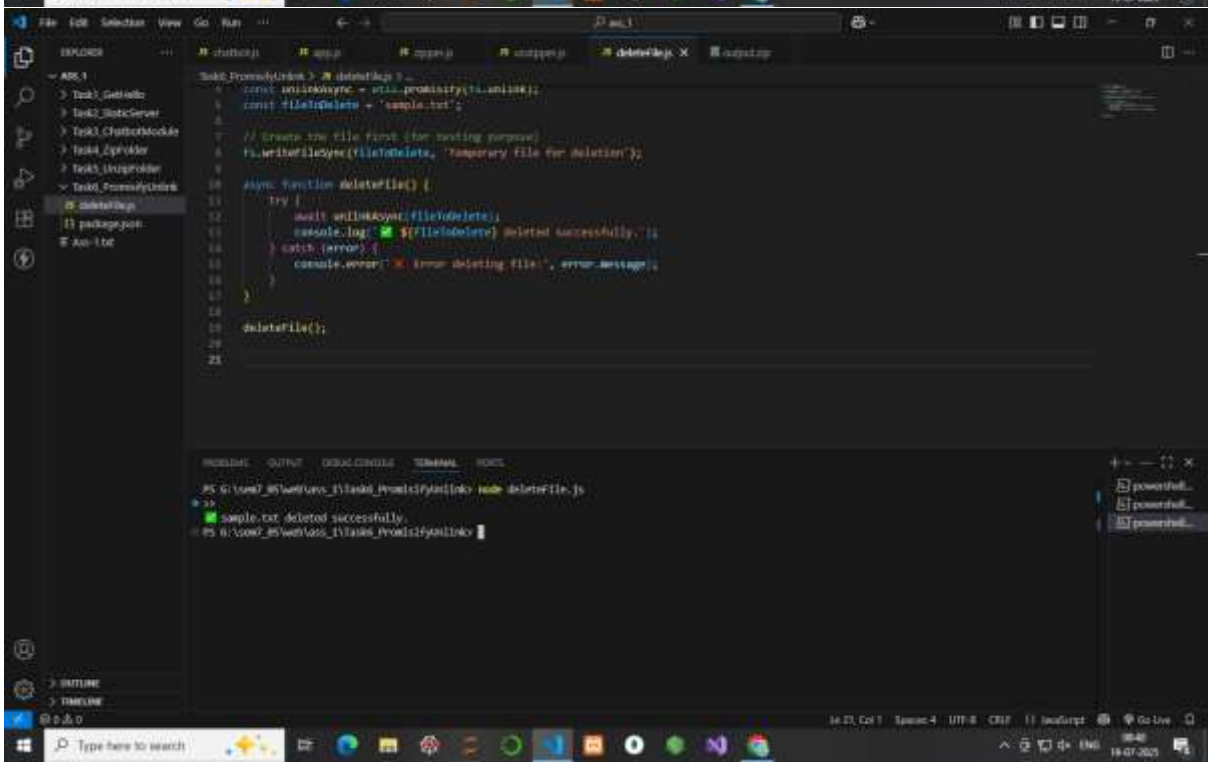

archive.on('error', (err) => {
throw err;
});
archive.pipe(output);
archive.directory(folderToZip, false); // false to zip the content, not folder itself
archive.finalize();
PS G:\sem7_05\web\ass_1\Task4_ZipFolder> mkdir myFolder
>> echo "Test file" > myFolder/test.txt
>>
Directory: G:\sem7_05\web\ass_1\Task4_ZipFolder
Mode LastWriteTime Length Name
---- ------------- ------ ----
d----- 19-07-2025 08:42 myFolder
PS G:\sem7_05\web\ass_1\Task4_ZipFolder> node zipper.js
Zip created: output.zip (155 total bytes)
PS G:\sem7_05\web\ass_1\Task4_ZipFolder>

5.

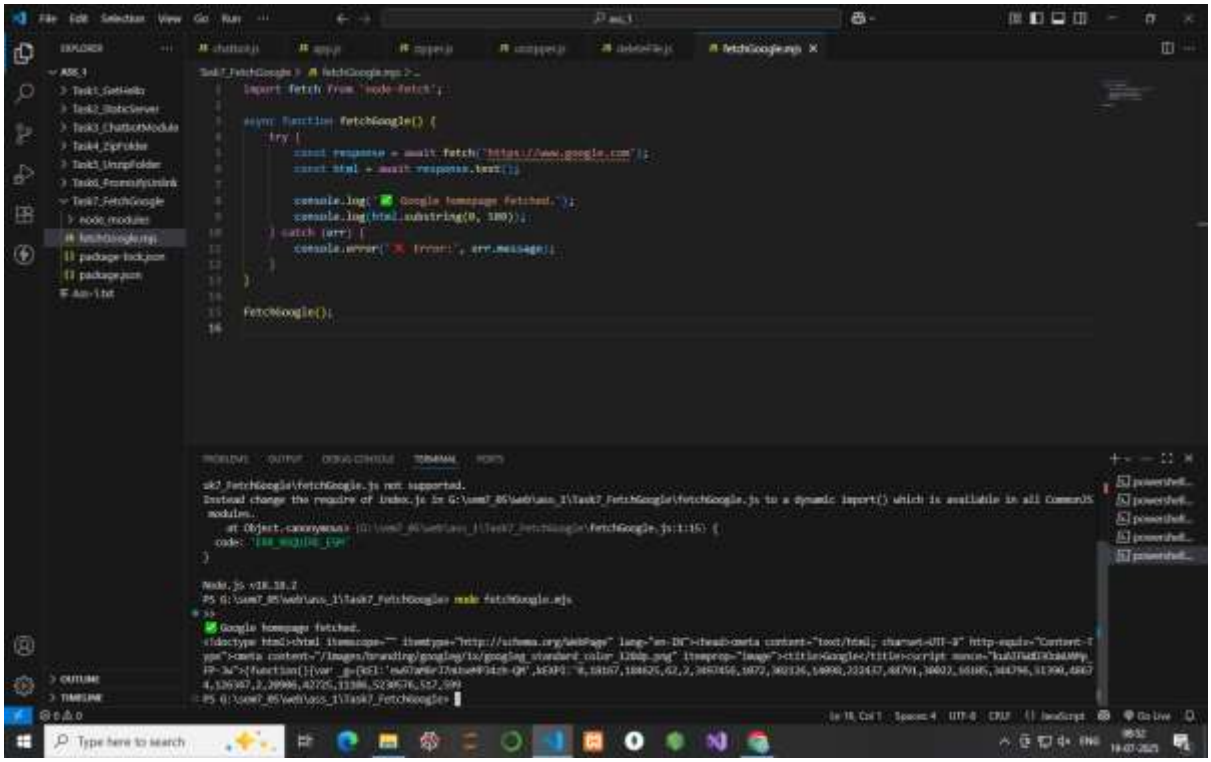

const fs = require('fs');
const unzipper = require('unzipper');
const zipPath = 'output.zip'; // Zip file name (place your zip here)
const extractTo = 'extracted_files'; // Folder to extract into
fs.createReadStream(zipPath)
.pipe(unzipper.Extract({ path: extractTo }))
.on('close', () => {
console.log(`✅ Extracted successfully to ./${extractTo}`);
})
.on('error', (err) => {
console.error('❌ Error while extracting:', err);
});
PS G:\sem7_05\web\ass_1\Task5_UnzipFolder> node unzipper.js
>>
✅ Extracted successfully to ./extracted_files
PS G:\sem7_05\web\ass_1\Task5_UnzipFolder>

6.

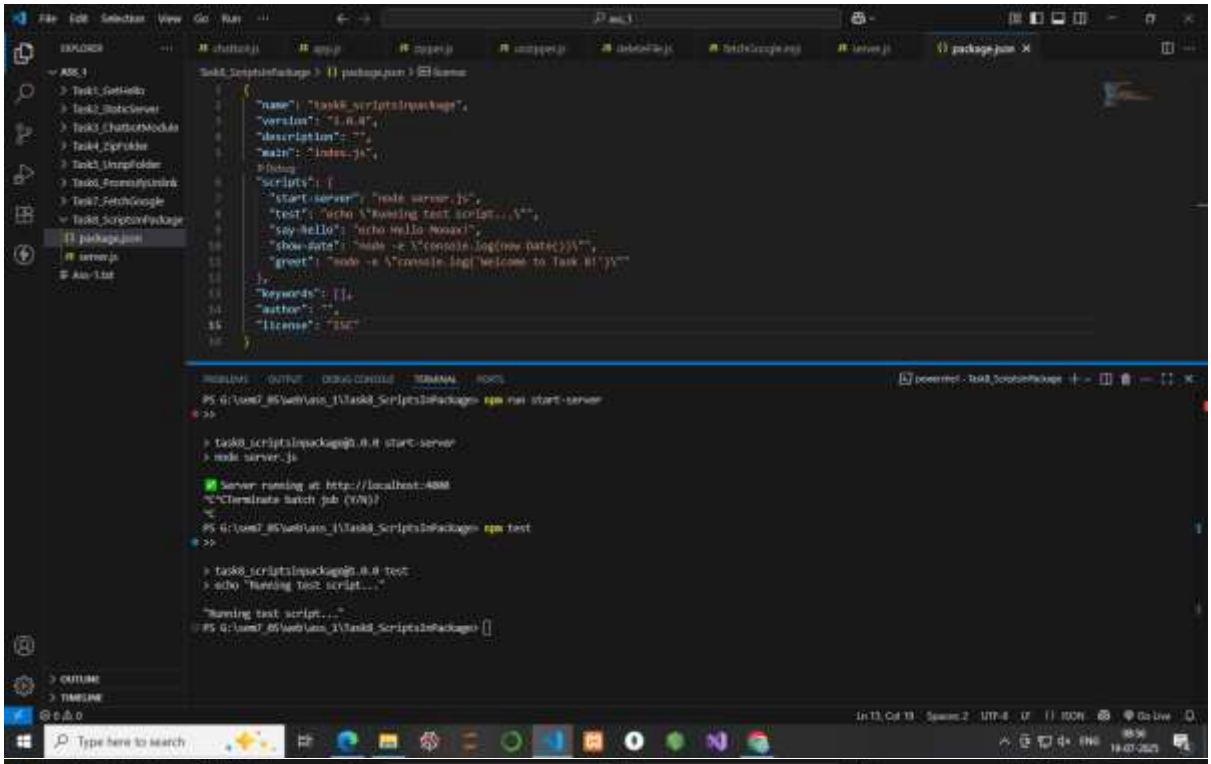

const fs = require('fs');
const util = require('util');
const unlinkAsync = util.promisify(fs.unlink);
const fileToDelete = 'sample.txt';
// Create the file first (for testing purpose)
fs.writeFileSync(fileToDelete, 'Temporary file for deletion');
async function deleteFile() {
try {
await unlinkAsync(fileToDelete);
console.log(`✅ ${fileToDelete} deleted successfully.`);
} catch (error) {
console.error('❌ Error deleting file:', error.message);
}
}
deleteFile();
PS G:\sem7_BS\web\ass_1\Task6_PromisifyUnlink> node deleteFile.js
>>

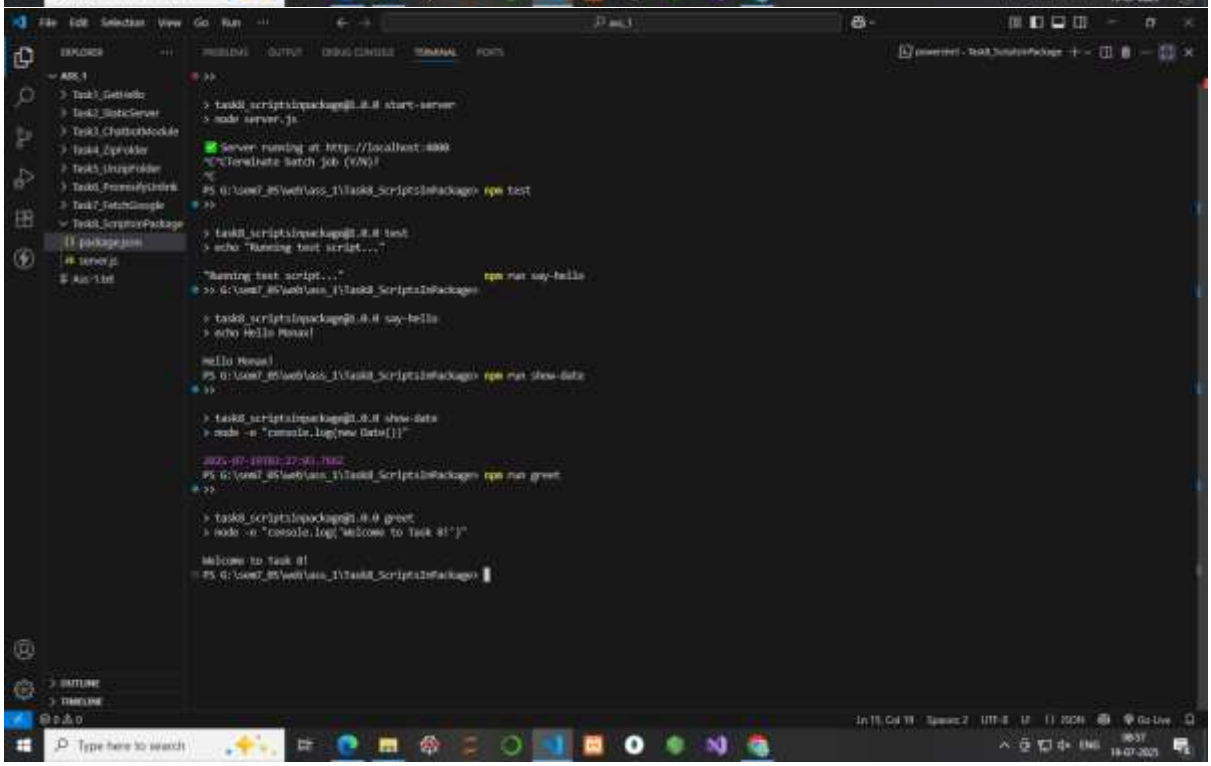

const unlinkAsync = util.promisify(fs.unlink);
const fileToDelete = 'sample.txt';
// Create the file first (for testing purpose)
fs.writeFileSync(fileToDelete, 'Temporary file for deletion');
async function deleteFile() {
try {
await unlinkAsync(fileToDelete);
console.log(`✅ ${fileToDelete} deleted successfully.`);
} catch (error) {
console.error('❌ Error deleting file:', error.message);
}
}
deleteFile();
PS G:\sem7_BS\web\ass_1\Task6_PromisifyUnlink> node deleteFile.js
>>
✅ sample.txt deleted successfully.
PS G:\sem7_BS\web\ass_1\Task6_PromisifyUnlink>

7.

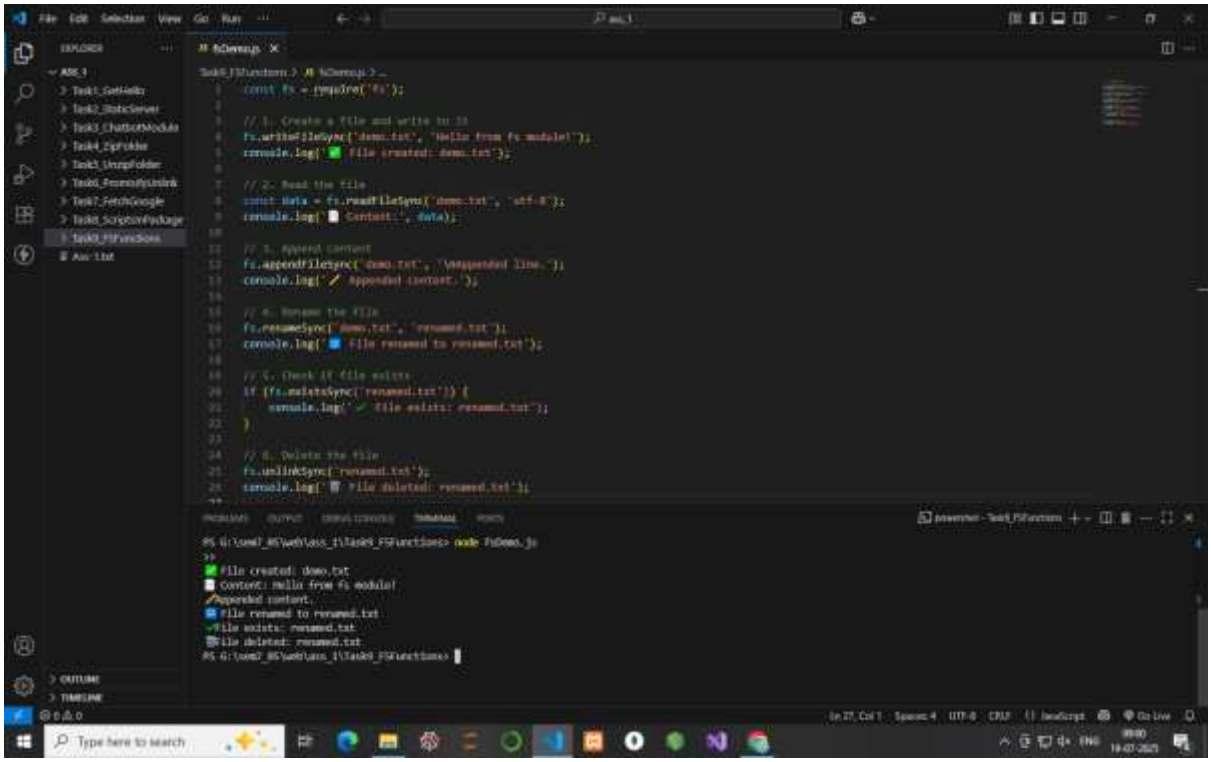

fetchGoogle.mjs
import fetch from 'node-fetch';
async function fetchGoogle() {
try {
const response = await fetch('https://www.google.com');
const html = await response.text();
console.log('✅ Google homepage fetched.');
console.log(html.substring(0, 500));
} catch (err) {
console.error('❌ Error:', err.message);
}
}
fetchGoogle();
Node.js v18.18.2
PS G:\sem7_BS\web\ass_1\Task7_FetchGoogle> node fetchGoogle.mjs
✅ Google homepage fetched.
<!doctype html><html itemscope="" itemtype="http://schemas.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="
PS G:\sem7_BS\web\ass_1\Task7_FetchGoogle>

8.

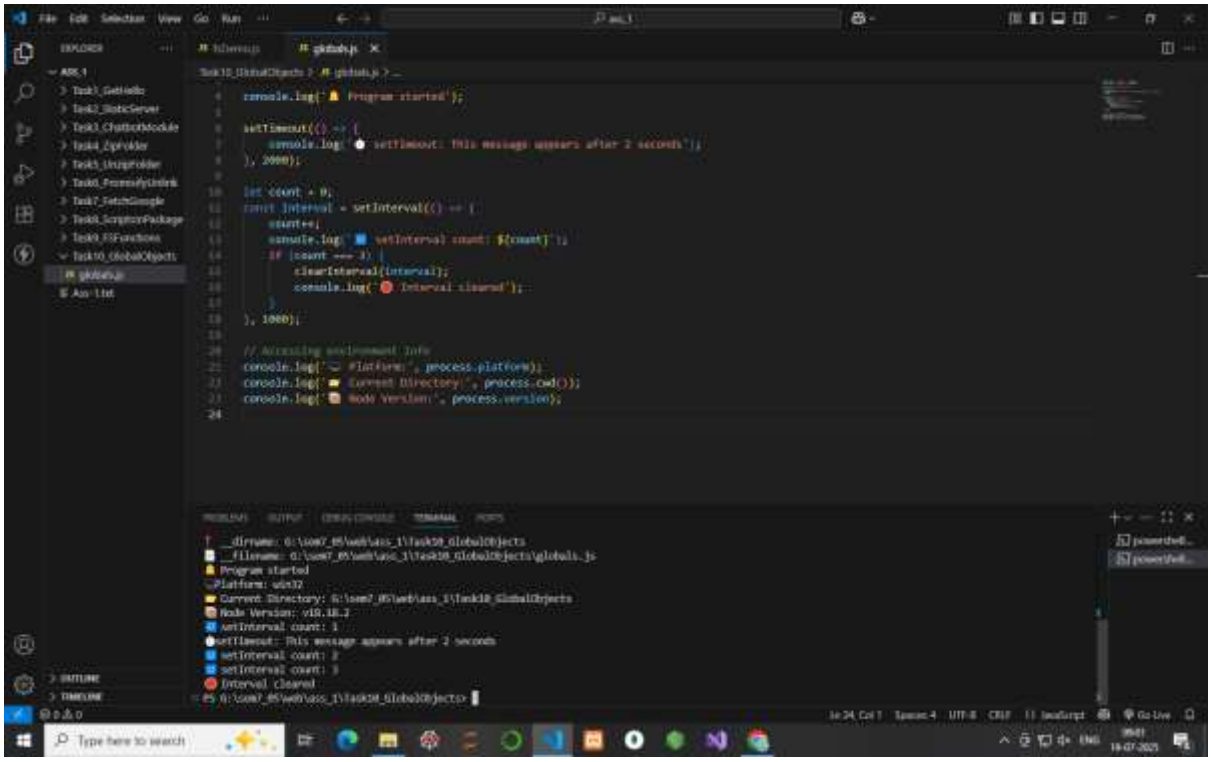




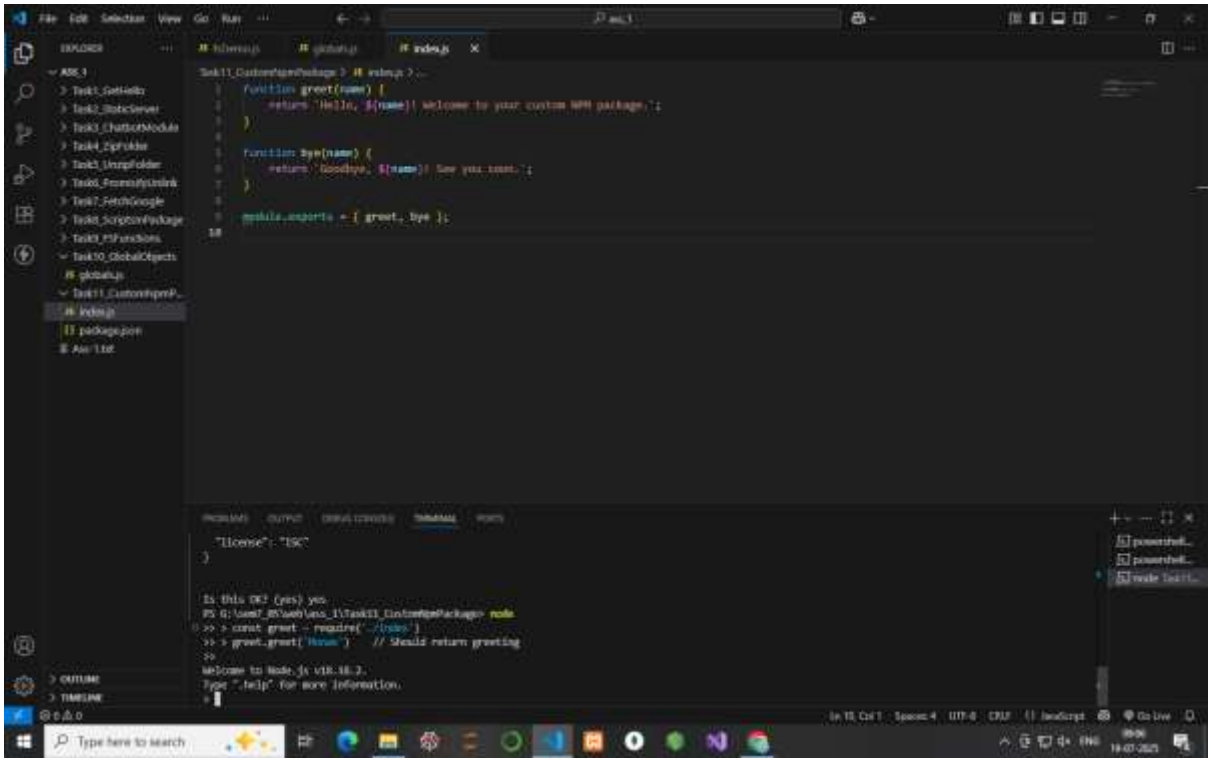
9.



10.



11.


function greet(name) {
return `Hello, ${name}! Welcome to your custom NPM package.`;
}
function bye(name) {
return `Goodbye, ${name}! See you soon.`;
}
module.exports = { greet, bye };
"license": "ISC"
Is this OK? (yes) yes
>> > const greet = require('./index')
>> > greet.greet('Aman')  // Should return greeting
Welcome to Node.js v18.18.2.
Type ".help" for more information.