Name:- Sodavadiya Yash Mukeshbbai

Stream:- Msc.(ICT) Sem-3

Roll No.:- 59
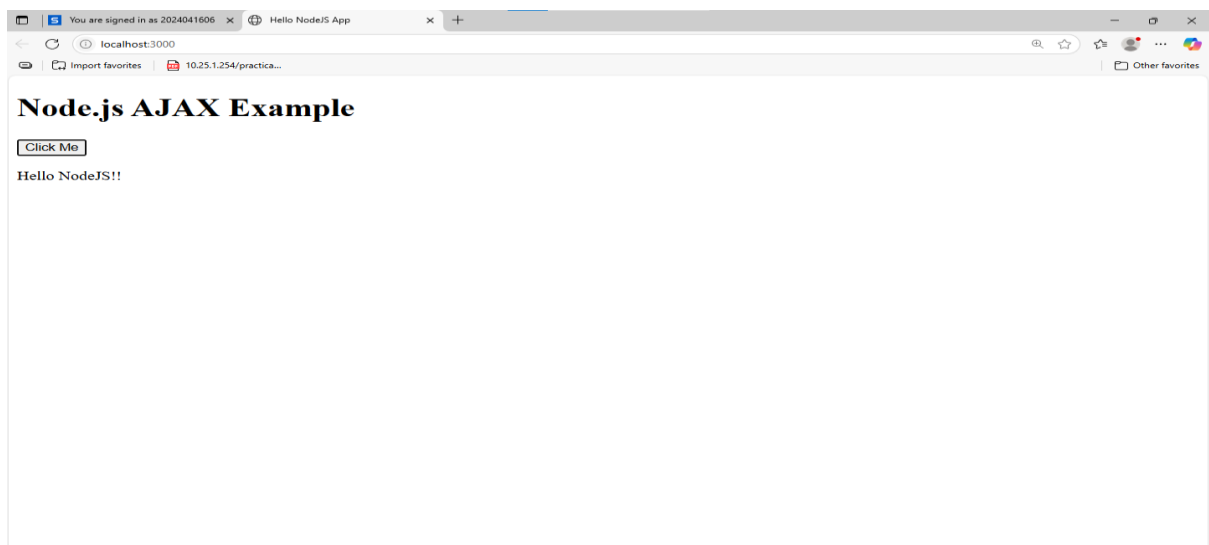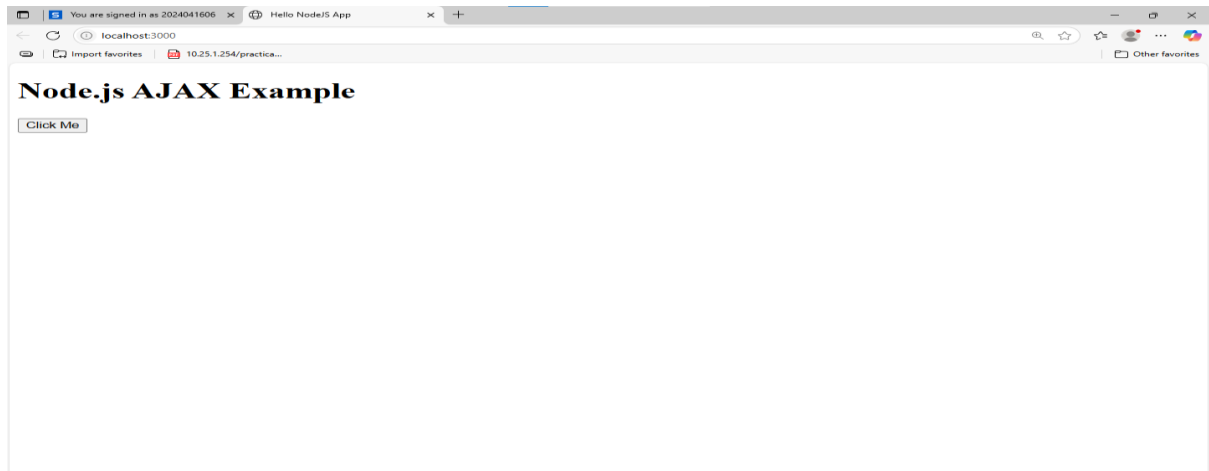
Subject:- Open-Source Web Development

Assignment-1

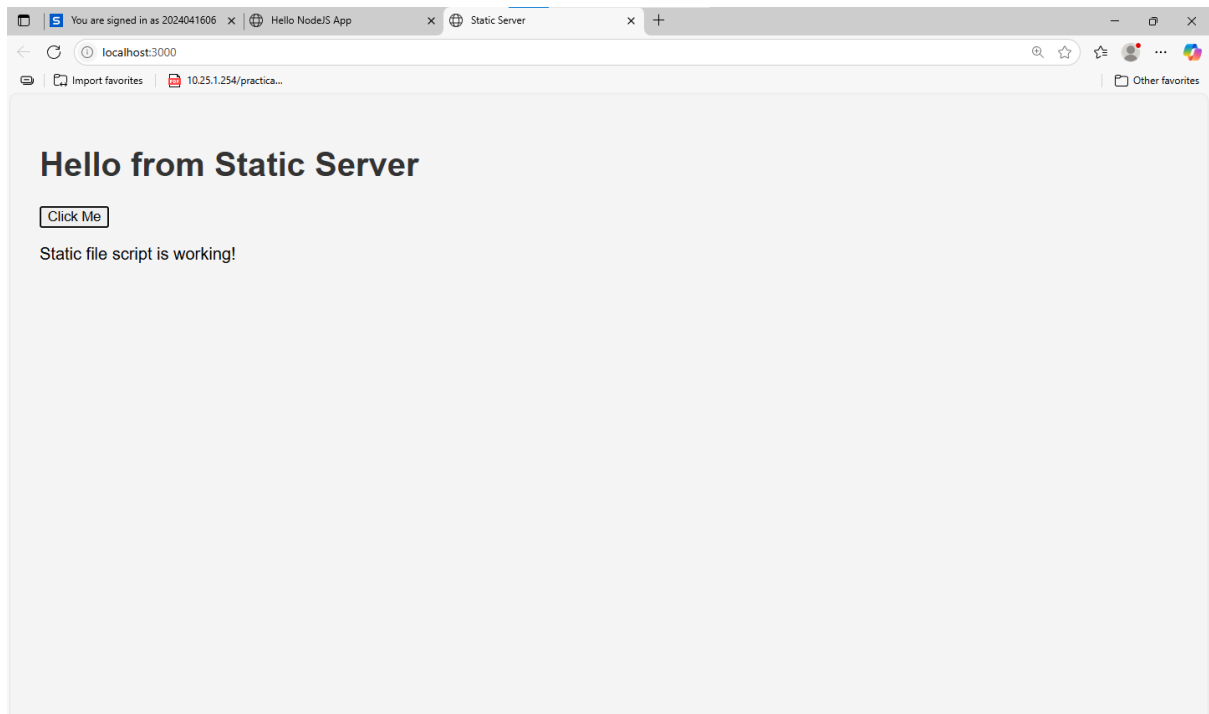1. Develop nodejs application with following requirements:

- Develop a route "/gethello" with GET method. It displays "Hello NodeJS!!" as response.
- Make an HTML page and display.
- Call "/gethello" route from HTML page using AJAX call. (Any frontend AJAX call API can be used.)

Output:-

2. Develop a web server which serves static resources.
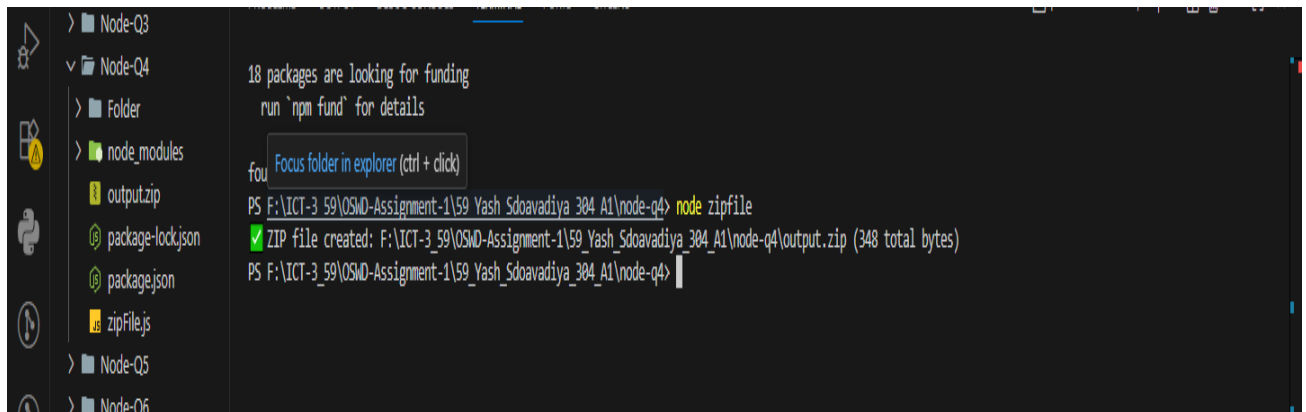
Output:-

3. Develop a module for domain specific chatbot and use it in a command line application.

Output:-

4. Write a program to create a compressed zip file for a folder.
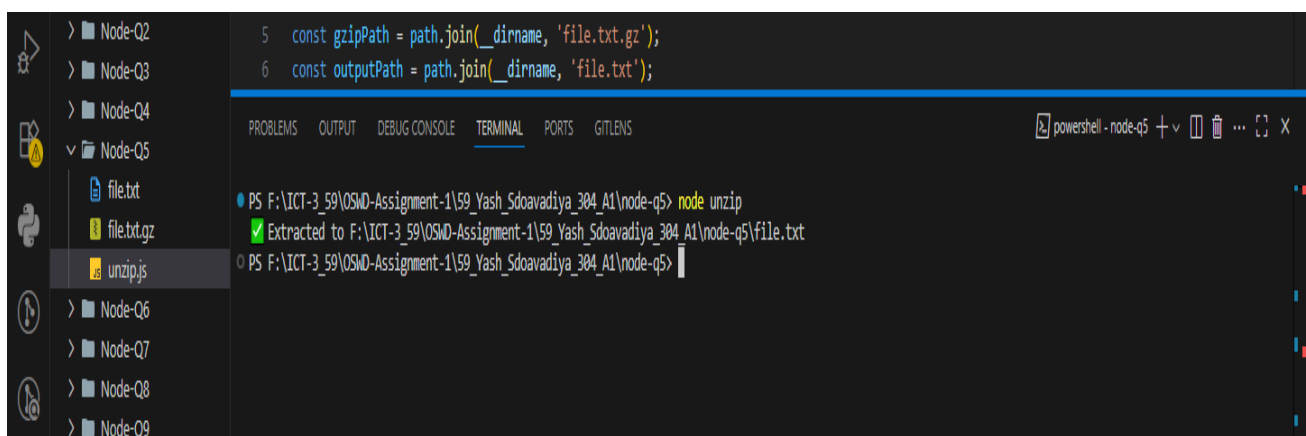
Output:-

5. Write a program to extract a zip file.
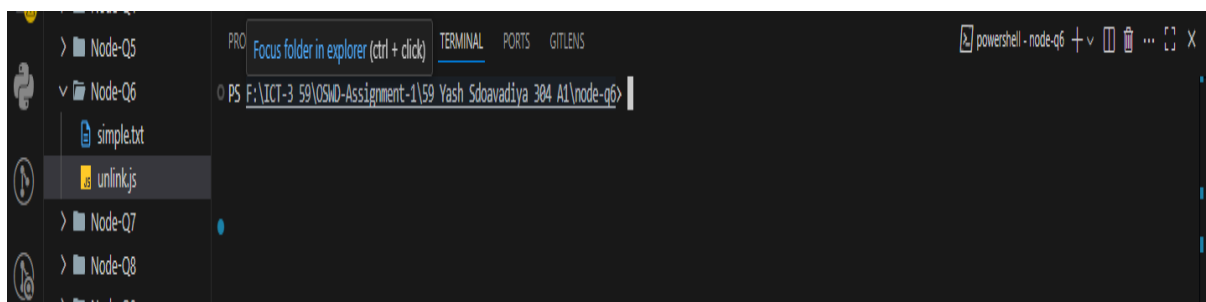
Output:-

6. Write a program to promisify fs.unlink function and call it.

Output:-
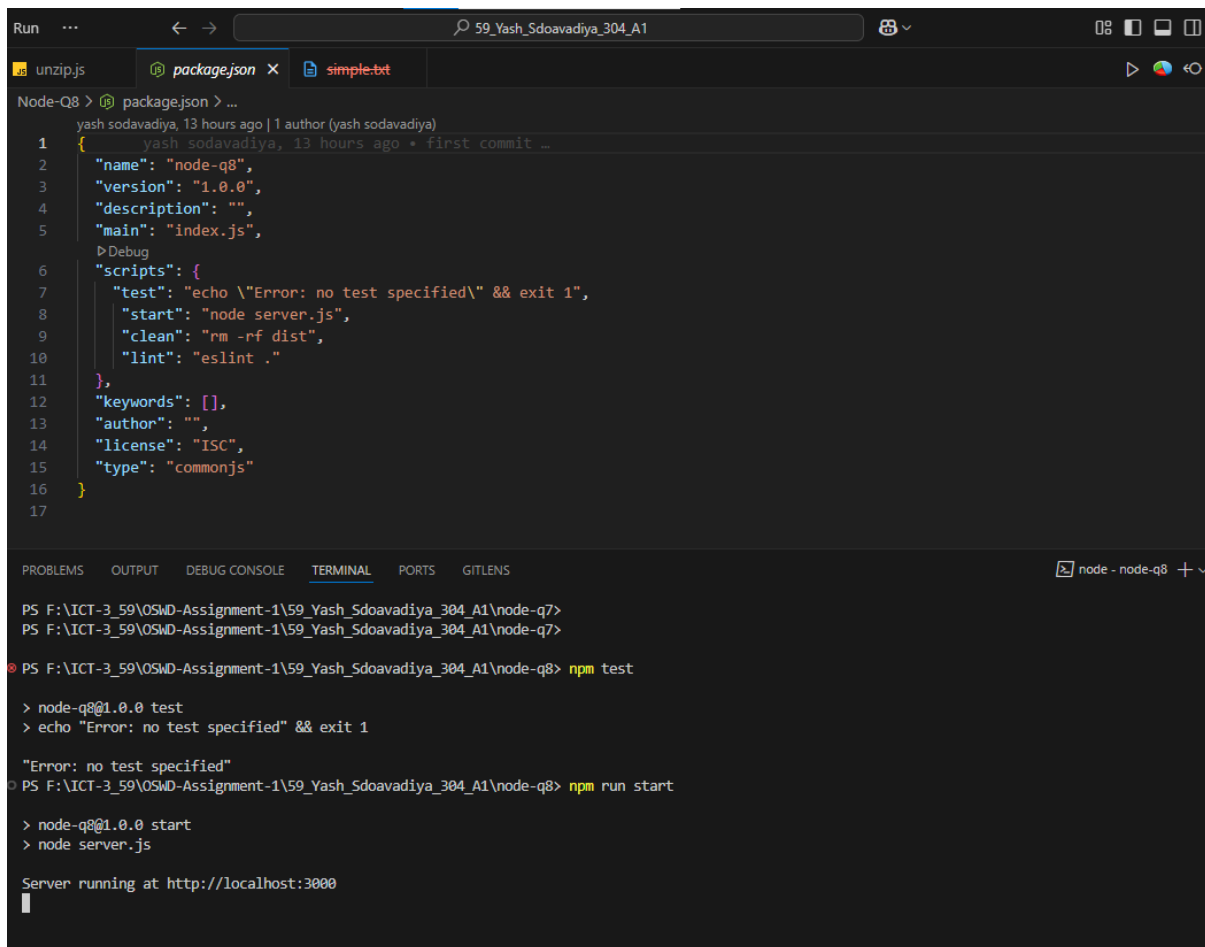
7. Fetch data of google page using note-fetch using async-await model.

Output:-

8. Set a server script, a test script and 3 user defined scripts in package.json file in your nodejs application.

Output:-

9. A program which calls useful functions in fs modile.

Output:-

10. A program which uses global objects in nodejs.

Output:-

```
PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10> node global-node
✅ Using global objects in Node.js
Current Directory: F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10
Current File: F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10\global-node.js
Process ID: 11556
Node Version: v18.18.2
Platform: win32
App Name from global object: Global Demo App
🕐 Interval count: 1
⏳ 2 seconds passed using setTimeout
🕐 Interval count: 2
🕐 Interval count: 3
🔴 Interval stopped
PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10>
```

11. Develop a useful package and publish it on npmjs.com

Output:-

```
PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q11> npm publish
>>
npm notice
npm notice 📦 greet-59-yash@1.0.0
npm notice === Tarball Contents ===
npm notice 75B  greet_use.js
npm notice 100B index.js
npm notice 209B package.json
npm notice === Tarball Details ===
npm notice name:          greet-59-yash
npm notice version:       1.0.0
npm notice filename:      greet-59-yash-1.0.0.tgz
npm notice package size:  403 B
npm notice unpacked size: 384 B
npm notice shasum:        1d189f7064ce916d8c3455efeda05fda97ea3bca
npm notice integrity:     sha512-JCgNnHo9U5GmF[...]4si529+J+qvZg==
npm notice total files:   3
npm notice
```