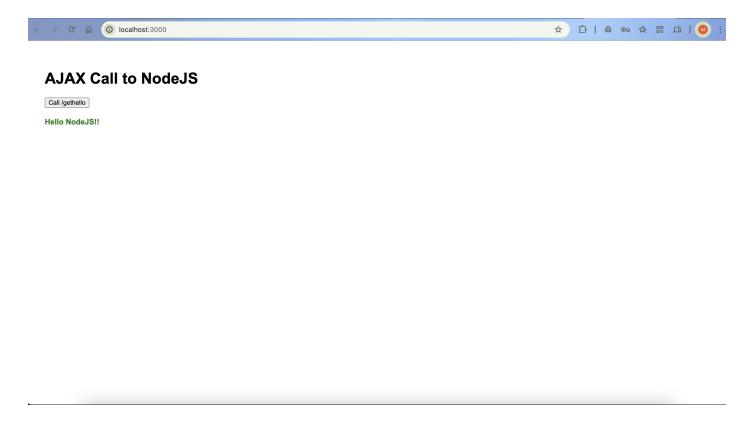
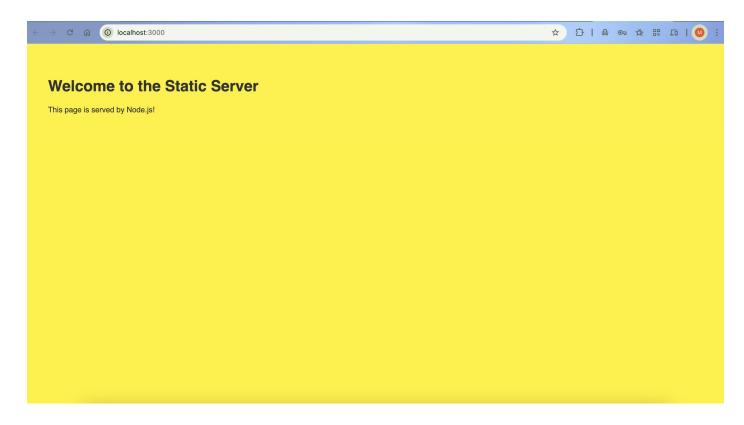
1. Develop node is application with following requirements:

- 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.)



2. Develop a web server which serves static resources.

==> Screenshot :



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

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POLYGLOT NOTEBOOK

^C

(base) meetbharucha@Meets-MacBook-Air-2 q1 % cd ..

(base) meetbharucha@Meets-MacBook-Air-2 Assignment_1 % cd q2

(base) meetbharucha@Meets-MacBook-Air-2 q2 % node app.js

Static server running at http://localhost:3000

^C

(base) meetbharucha@Meets-MacBook-Air-2 q2 % cd ..

(base) meetbharucha@Meets-MacBook-Air-2 Assignment_1 % cd q3

(base) meetbharucha@Meets-MacBook-Air-2 q3 % node app.js

Welcome to Fitness & Diet Bot!

Ask me anything related to fitness or diet. Type 'exit' to quit.

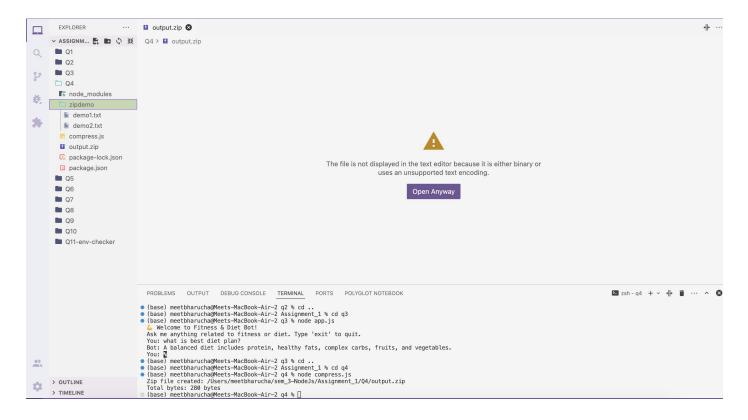
You: what is best diet plan?

Bot: A balanced diet includes protein, healthy fats, complex carbs, fruits, and vegetables.

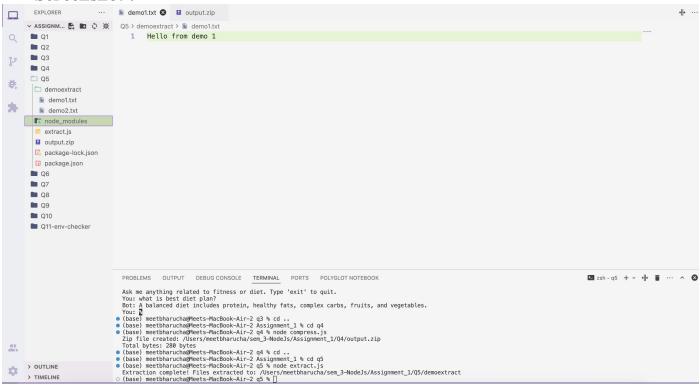
You:
```

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

==>Screenshot:



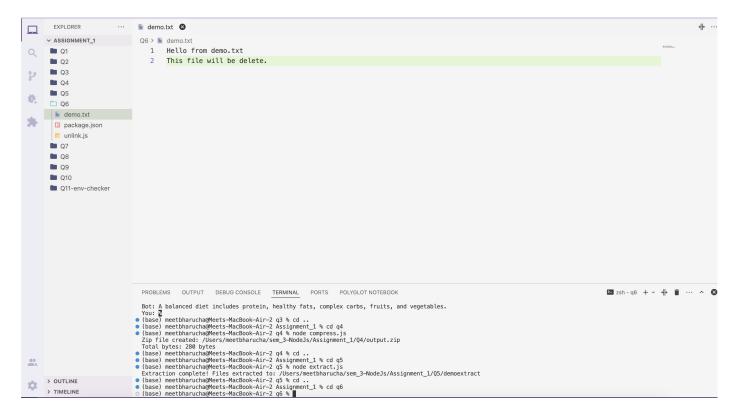
5. Write a program to extract a zip file.



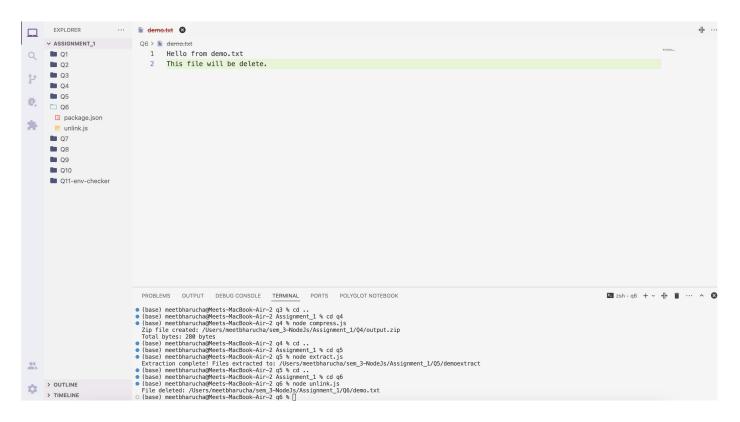
6. Write a program to promisify fs.unlink function and call it.

==>Screenshot:

Before Unlink:

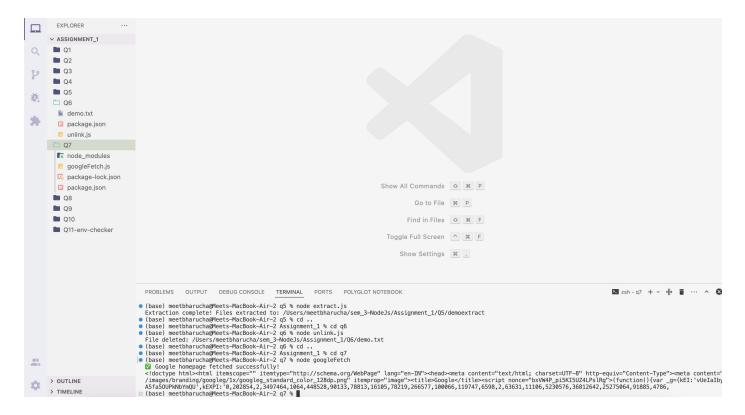


After Unlink:

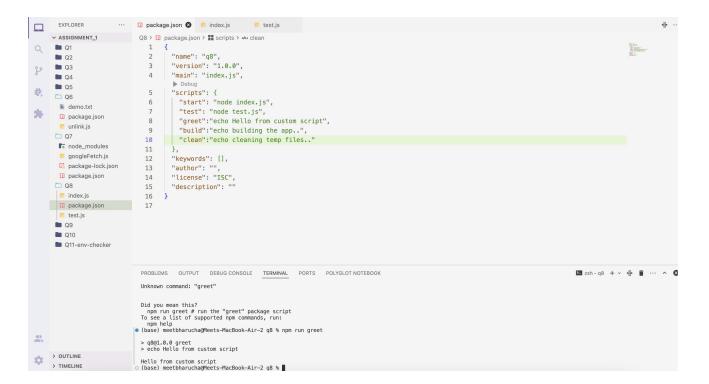


7. Fetch data of google page using note-fetch using async-await model.

==>Screenshot:

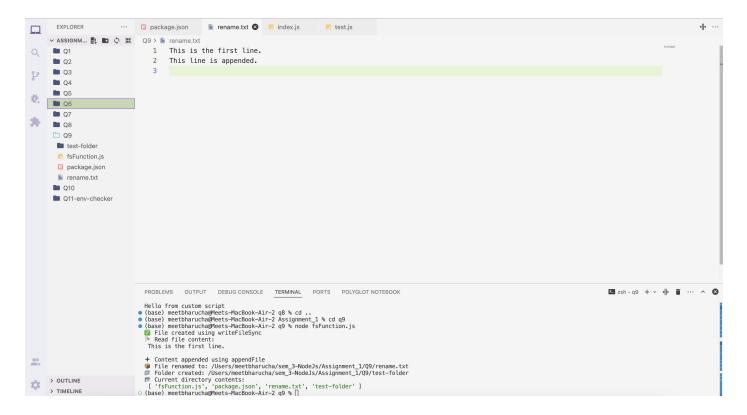


8. Set a server script, a test script and 3 user defined scripts in package.json file in your nodejs application.



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

==>Screenshot:



10. A program which uses global objects in nodejs.

```
EXPLORER
                                                                           ··· 🖪 globalObject.js 😵

→ ASSIGNMENT_1 Q10 > Is globalObject.js > ...

                ■ Q1
                                                                                                        22 }, 2000);
                     ■ Q2
                                                                                                           23
                                                                                                     24 let count = 0;
25 const interval
                    ■ Q3
                                                                                                                             const intervalId = setInterval(() => {
                     ■ Q4
                                                                                                                             console.log('Interval running... Count: ${++count}');
if (count === 3) {
    clearInterval(intervalId);
    console.log("Interval cleared");
}
                                                                                                      26
27
                     ■ Q5
                    ■ Q6
                     ■ Q7
                                                                                                         29
                    ■ Q8
                                                                                                           30
                     ■ Q9
                                                                                                            31 }, 1000);
                     □ Q10
                globalObject.js
                                                                                                           33  // 5. Using Buffer (binary data)
34  const buf = Buffer.from("Node.js is cool!");
                        package.json
                     Q11-env-checker
                                                                                                            35 console.log("Buffer content:", buf);
                                                                                                            36
                                                                                                                             console.log("Buffer to string:", buf.toString());
                                                                                                            37
                                                                                                                             // 6. Using global object directly
                                                                                                            38
                                                                                                                             console.log("Global custom message:", global.customMessage);
                                                                                                       PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POLYGLOT NOTEBOOK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Console error
Process ID: 3418
Node version: v20.18.0
Platform: darwin
Env variables: not set
Buffer content: <Buffer 4e 6f 64 65 2e 6a 73 20 69 73 20 63 6f 6f 6c 21>
Buffer to string: Node.js is cool!
Global custom message: \( \text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{
> OUTLINE
> TIMELINE
```

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

