Name: Kajavadra Om S.

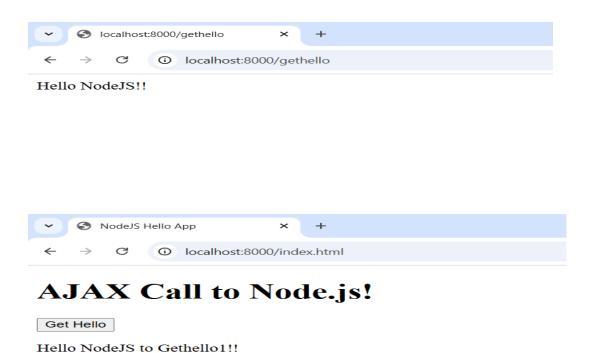
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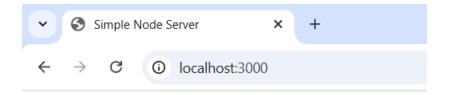
Div.: A

Q1. 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.)



Q2. Develop a web server which serves static resources.



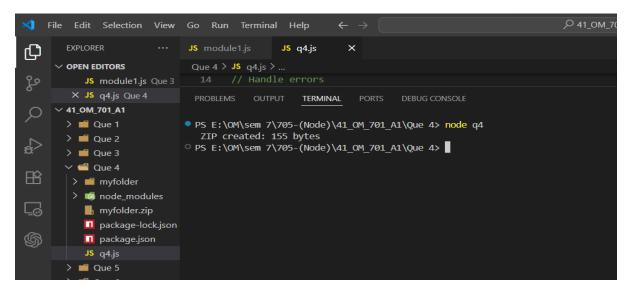
Hello from Node.js!

Q3. Develop a module for domain specific chatbot and use it in a command line application.

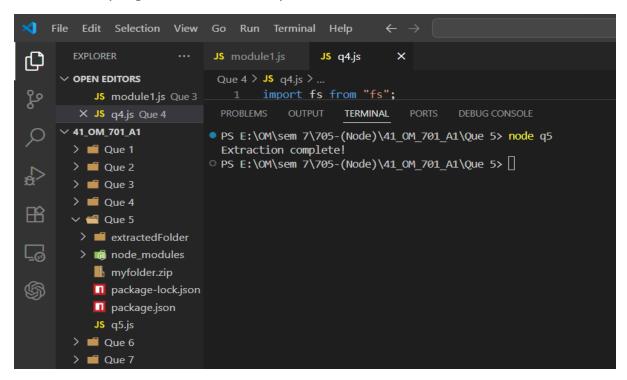
```
PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE

PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 3> node q3
You ==> Hi
TravelBot ==> Hello! Ready to explore the world?
You ==> What is your name
TravelBot ==> I'm TravelBot, your travel companion!
You ==> How many year old your company
TravelBot ==> I'm 3 years old - young but well-traveled!
You ==> where are you from
TravelBot ==> I'm based in Mumbai, but I know places all over the globe!
You ==> please recommend place to travel
TravelBot ==> I recommend visiting Kyoto for culture, Bali for beaches, and Iceland for adventure!
You ==> what is advice and tip from you to travel
TravelBot ==> Always carry a power bank, learn a few local phrases, and respect local customs!
You ==> []
```

Q4. Write a program to create a compressed zip file for a folder.



Q5. Write a program to extract a zip file.



Q6. Write a program to promisify fs.unlink function and call it.

```
File Edit Selection View Go Run Terminal Help
   EXPLORER
                         JS module1.js
                                          file1.txt
                                                          JS q6.js
                                                                      ×
 ∨ OPEN EDITORS
                         Que 6 > JS q6.js > ...
                                 import fs from "fs";
      JS module1.js Que 3
                                 import util from "util";
      file1.txt Que 6\files
    X JS q6.js Que 6
 const unlinkFile = util.promisify(fs.unlink);
   > 🔳 Que 1
   > II Que 2
                                 unlinkFile('./files/file1.txt')
   > 🖆 Que 3
                                   .then(() => {
   > ii Que 4
                                    console.log(' File deleted!');
   > ii Que 5
   .catch((err) => {

✓ 

files

                                     console.error(' Error deleting file:', err.message);
      package.json
      JS q6.js
   > ii Que 7
                                                               DEBUG CONSOLE
                                             TERMINAL
   > ii Que 8
                          PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 6> node q6
   > = Que 9
                          File deleted!
   > ii Que 10
                          PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 6> [
   > II Que 11
```

Q7. Fetch data of google page using note-fetch using async-await model.

```
Que 7 > JS q7js > ...

1    import fetch from "node-fetch";

2    async function fetchGooglePage() {
4        try {
5             const response = await fetch('https://www.google.com');
6             const html = await response.text();
7             console.log('Google page fetched successfully!');
8             console.log(html.substring(0, 100)); // Print first 100 characters
10             console.log('--------');
11             } catch (error) {
12                  console.error(' Error fetching Google page:', error.message);
13             }
14             }
15

PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE

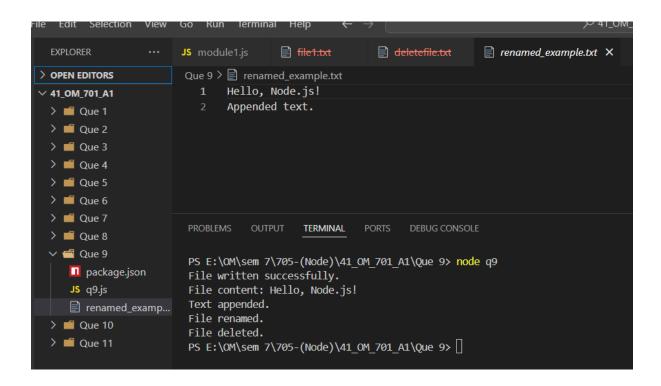
PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 7> node q7
Google page fetched successfully!

<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en-IN"><head><meta cont
PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 7> |
```

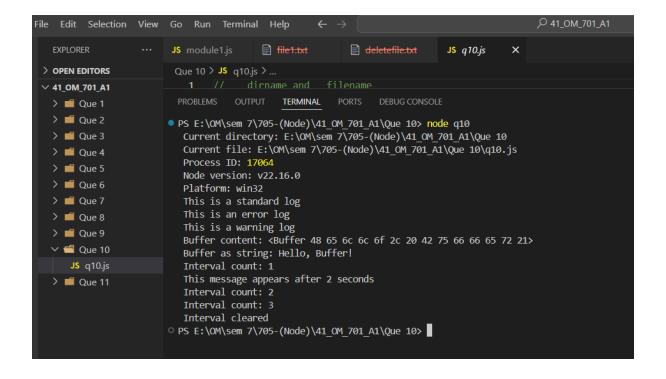
Q8. Set a server script, a test script and 3 user defined scripts in package.json file in your nodejs application.

```
Que 8 > 🔲 package.json > ...
           "type": "module",
           Debug
           "scripts": {
            "start": "node server.js",
            "test": "node test.js",
"dev": "nodemon server.js",
           "deploy": "echo 'Deploying app...'",
"format": "prettier --write ."
         "keywords": [],
          "author": "",
           "license": "ISC"
          "description": "",
 PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE
PS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 8> npm run format
 > que-8@1.0.0 format
 > prettier --write .
 package-lock.json 282ms (unchanged)
 package.json 4ms (unchanged)
 server.js 69ms
  test.js 2ms (unchanged)
OPS E:\OM\sem 7\705-(Node)\41_OM_701_A1\Que 8>
```

Q9. A program which calls useful functions in fs module.



Q10. A program which uses global objects in nodejs.



Q11. Develop a useful package and publish it on npmjs.com

