Name:- Sodavadiya Yash Mukeshbbai

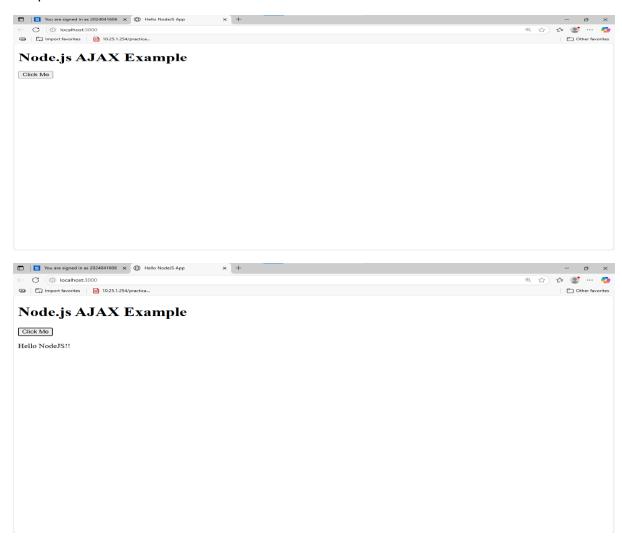
Stream:- Msc.(ICT) Sem-3

Roll No.:- 59

Subject:- Open-Source Web Development

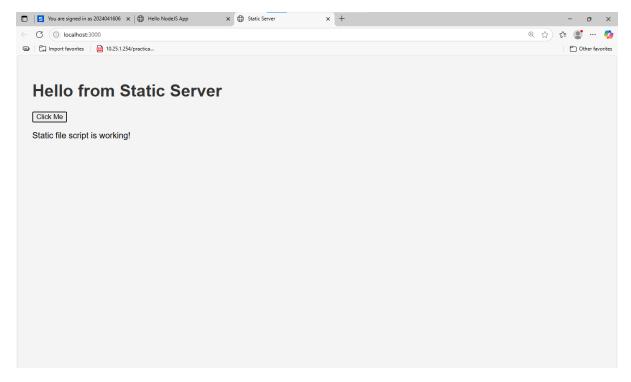
Assignment-1

- 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.)



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.

```
PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q3> node app

i Welcome to MovieBot! Ask me about movies (type 'exit' to quit).

You: hello

Bot: Hello! i I'm MovieBot. Ask me about movies, actors, or recommendations!

You: actors

Bot: Leonardo DiCaprio and Robert Downey Jr. are top actors!

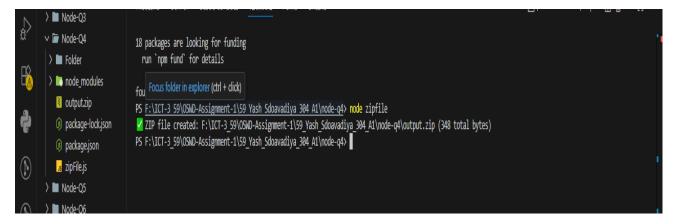
You: movies

Bot: Sorry, I can only help with movie-related queries. Try asking about recommendations, latest releases, or actors.

You:
```

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.





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

Output:-

PS F:\LCT-3_59\OSMO-Assignment-1\59_Yash_Sdoavadiya_304_Al\node-q7> node fetchgooglepage
cidoctype html>khtml itemscope-" itemtype="http://schema.org/MebPage" lang="en-IN">khead>cmeta content="text/html; charset-UIF-8" http-equiv="Content-Type">cmeta content=Type="Text-Type="Content-Type">cmeta content=Type="Text-Type="Content-Type="Co

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

Output:-

```
88 ~
                                                                                                                                                                        0: 🛮 🗖
                    ▶ 🚳 🛠
Js unzip.js
Node-Q8 > 📵 package.json > ...
           "name": "node-q8",
"version": "1.0.0",
           "description": "",
"main": "index.js",
            DDebug
"scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
              "start": "node server.js",
"clean": "rm -rf dist",
"lint": "eslint ."
           },
"keywords": [],
           "author": "",
"license": "ISC",
"type": "commonjs"
 PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS
                                                                                                                                                                 ≥ node - node-q8 +
 PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q7> PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q7>
 PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q8> npm test
 > node-q8@1.0.0 test
> echo "Error: no test specified" && exit 1
 "Error: no test specified"
PS F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q8> npm run start
 > node-q8@1.0.0 start
> node server.js
 Server running at http://localhost:3000
```

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

```
File created: F:\ICT-3_59\OSWD-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q9\demo\example.txt
Content appended.
File content:
 Hello, Node.js!
Appended text.
File renamed.
File stats: Stats {
  dev: 2124076823,
  mode: 33206,
  nlink: 1,
  uid: 0,
  gid: 0,
   rdev: 0,
  blksize: 4096,
  ino: 2251799813692091,
  size: 30,
  blocks: 0,
  atimeMs: 1753760401980.8389, mtimeMs: 1753760401979.8408,
```

10. A program which uses global objects in nodejs.

Output:-

```
PS F:\ICT-3_59\OSND-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10> node global-node

✓ Using global objects in Node.js

Current Directory: F:\ICT-3_59\OSND-Assignment-1\59_Yash_Sdoavadiya_304_A1\node-q10

Current File: F:\ICT-3_59\OSND-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
```

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