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Roll No. : 104

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Semester : 7 Division : B

8

701 - Full Stack Development

9

Practical Assignment - 1

10

I SOLUTION SCREESHOTS

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS D:\VSCode_Folder\FullStackDev\Practical01> node server
server running at http://localhost:8000



Ln 9, Col 27

Spaces: 4

UTF-8



Search





Practical Assignment- 1



NodeJS AJAX Example ↑



Static Se

← C

① localhost:8000/q1.html

Call "/gethello" via AJAX

Click Me



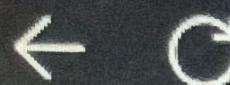
Practical Assignment- 1



NodeJS AJAX Example



Static Server



localhost:8000/q1.html

Call "/gethello" via AJAX

Click Me

Hello NodeJS!!

Practical Assignment- 1

NodeJS AJAX Example

Static Server

localhost:8000/q2.html

Hello from Node.js Static Server!

Hi this is div1

20°C
Partly cloudy

Search



U }

M Node.js v22.17.1

M O PS D:\VSCode_Folder\FullStackDev\Practical01> node public\q3_IChatBot.js

U ME ==>hi

U Bot ==> Hi! this is Dee_BOT1

M ME ==>how are you

M Bot ==> I'm fine :)

ME ==>may i know your name

Bot ==> hi, my name is -Dee_BOT1

ME ==>

```
requeststack[]
```

```
}
```

```
Node.js v22.17.1
```

```
PS D:\Vscode_Folder\FullstackDev\Practices
```

```
ME => hi
```

```
Bot => Hi! this is Dee_BOT1
```

```
ME => how are you
```

```
Bot => I'm fine :)
```

```
ME => may i know your name
```

```
Bot => hi, my name is -Dee_BOT1
```

```
ME => howS the weather
```

```
Bot => I'm fine :)
```

```
ME => where do you live
```

```
Bot => I live in Surat
```

```
ME =>ang age?
```

```
Bot => Sorry, I didn't get it :(
```

```
ME =>and what is your age?
```

```
Bot => I'm 21
```

```
ME =>|
```

```
18 archive.pipe(output);
19 archive.directory(sourceFolder, false);
20 archive.finalize();
21 }
22
23 // Example usage
24 zipFolder('./myFolder', 'myCompressed.zip');
```

```
9 | });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- PS D:\VSCode_Folder\FullStackDev\Practical01> **node public\q6_promisify.js**
Unfortunately, there was a problem undergoing this function!
- PS D:\VSCode_Folder\FullStackDev\Practical01>

JS q3_IChatBOT.js U**JS** q3_Chatbot.js U**JS** q4_zip.js M**JS** q5_extract_zippublic > **JS** q7_fetch.js > ...

```
1 const fetch = require('node-fetch');
2
3 async function func_fetch() {
4     const res = await fetch('https://www.github.com');
5     const html = await res.text();
6     console.log(html);
7 }
8
9 func_fetch();
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Unfortunately, there was a problem undergoing this function!

PS D:\VSCode_Folder\FullStackDev\Practical01> node public\q7_fetch.js

osie ➤ on X: "#miniscenemonday"



diya-2104/102_RanaDiyaS_701_



github.com/diya-2104/102_RanaDiyaS_701



diya-2104 / 102_RanaDiyaS_701_A1

Code

Issues

Pull requests

Actions

Projects

Wiki



102_RanaDiyaS_701_A1

Public

main ▾

1 Branch 0 Tags



diya-2104 3rd commit with unnecessary files removed

≡ q8.txt U X

styles.css U

JS script.js U

JS

public > ≡ q8.txt

1 Changes made in "package.json" file :

2

3

"scripts": {

4

 "start": "node server.js",

5

 "test": "echo \"Run tests here\"",

6

 "zip": "node public/q4_zip.js",

7

 "chat": "node public/q3_IChatBOT.js"

8

},

server.js M

q1.html

JS q11_newpackage.js

q2.html

public > q8.txt

```
1 Changes made in "package.json" file :  
2  
3 "scripts": {  
4     "start": "node server.js",  
5     "test": "echo \"Run tests here\"",  
6     "zip": "node public/q4_zip.js",  
7     "chat": "node public/q3_IChatBOT.js"  
8 },
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS D:\VSCode_Folder\FullStackDev\Practical01> npm run chat

```
> practical01@1.0.0 chat  
> node public/q3_IChatBOT.js
```

ME ==>hi

Bot ==> Hi! this is Dee_BOT1

ME ==> how are you

Bot ==> I'm fine :)

ME ==>

q7_fetch.js

JS q9_fs-utils.js M X

JS q10_global-utility.js

.gitignore M

public > JS q9_fs-utils.js > ...

```
1 const fs = require('fs');
2
3 fs.writeFileSync('test.txt', 'Hello, FS!');
4 fs.appendFileSync('test.txt', '\nAppended Text');
5 console.log(fs.readFileSync('test.txt', 'utf8'));
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

powershell + 

```
\VSCode_Folder\FullStackDev\Practical01> node public\q9_fs-utils.js
Hello, FS!
Appended Text
```

q7_fetch.js

JS q9_fs-utils.js M

JS q10_global-utility.js X

.gitignore M

≡ te

public > JS q10_global-utility.js > ...

```
1 console.log(__dirname); // current directory
2 console.log(__filename); // current file
3 setTimeout(() => console.log("Timeout Done!"), 2000);
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

powershell + ▾ □ ⚡ ...

- PS D:\VSCode_Folder\FullStackDev\Practical01> node public\q10_global-utility.js
D:\VSCode_Folder\FullStackDev\Practical01\public
D:\VSCode_Folder\FullStackDev\Practical01\public\q10_global-utility.js
Timeout Done!
- PS D:\VSCode_Folder\FullStackDev\Practical01>

JS q11_newpackage.js U X q2.html U JS q11.js U q8.txt U # sty

public > JS q11_newpackage.js > toCamelCase

```
1 // transformer that "TRANSFORMS" the case of any string
2
3 function toUpper(str) {
4     return str.toUpperCase();
5 }
6
7 function toLower(str) {
8     return str.toLowerCase();
9 }
10
11 function toCamelCase(str) {
12     return str
13         .replace(/[^a-zA-Z0-9 ]/g, '') // to remove symbols
14         .split(' ')
15         .map((word, i) =>
16             i === 0
17             ? word.toLowerCase()
18             : word[0].toUpperCase() + word.slice(1).toLowerCase()
19         )
20     .join('');
}
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

- D:\VSCode_Folder\FullStackDev\Practical01\backend\q11.js
 - at Function._resolveFilename (node:internal/modules/cjs/loader:1401:15)
 - at defaultResolveImpl (node:internal/modules/cjs/loader:1057:19)
 - at resolveForCJSWithHooks (node:internal/modules/cjs/loader:1062:22)
 - at Function._load (node:internal/modules/cjs/loader:1211:37)
 - at TracingChannel.traceSync (node:diagnostics_channel:322:14)
 - at wrapModuleLoad (node:internal/modules/cjs/loader:235:24)
 - at Module.require (node:internal/modules/cjs/loader:1487:12)