

Q1.



## Welcome to Assignment 1 - Question 1

This is a simple HTML page for the first question of the assignment.



Q2.



## Welcome to Assignment 1 - Question 2

Hello NodeJS!!!



Q3.

```
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q3> nodemon q3
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting 'node q3.js'
Welcome to HealthBot! Ask me anything about symptoms, appointments, or COVID-19.
You: hey i have a fever
hey i have a fever
Bot: A fever can be a sign of infection. Please monitor your temperature and consult a doctor if it persists.
You: i think i have covid
i think i have covid
Bot: If you suspect COVID-19, please get tested and isolate until results arrive.
You: hello
hello
Bot: I'm here to help with healthcare-related questions. Could you clarify your concern?
You: 
```

Q4.

```
EXPLORER
FULLSTACKWEBDEV(MERN)
  .vscode
  assignment1
    111_tamanna_701_A1
      node_modules
      q1
        public
          q1.html
          q1.js
      q2
        public
          q2.html
          q2.js
      q3
        healthbot.js
        q3.js
      q4
        public.zip
        q4.js
      q5
      q6
      q7
      q9
      q10
      package-lock.json
      package.json
      questions.txt
      ftp-module
      Express.js
      Node.js
  OUTLINE
  TIMELINE
  CODETOUR

assignment1 > 111_tamanna_701_A1 > q4 > q4.js > ...
1 const fs = require('fs');
2 const archiver = require('archiver');
3 const path = require('path');
4 function zipFolder(sourceFolder, outputPath) {
5   const output = fs.createWriteStream(outputPath);
6   const archive = archiver('zip', {
7     zlib: { level: 9 } // Maximum compression
8   });
9 }

TERMINAL
Server running at http://localhost:8000/
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q2> cd ../q3
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q3> nodemon q3
[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting 'node q3.js'
Welcome to HealthBot! Ask me anything about symptoms, appointments, or COVID-19.
You: hey i have a fever
hey i have a fever
Bot: A fever can be a sign of infection. Please monitor your temperature and consult a doctor if it persists.
You: i think i have covid
i think i have covid
Bot: If you suspect COVID-19, please get tested and isolate until results arrive.
You: hello
hello
Bot: I'm here to help with healthcare-related questions. Could you clarify your concern?
You:
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q3> cd ../q4
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q4> node q4.js
Zip created: D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q4\public.zip (22 total bytes)
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q4> 
```

Q5.

The screenshot shows a VS Code editor with a project named 'FullStackWebDev(MERN)'. The Explorer sidebar on the left shows a file structure with folders 'q1' through 'q10', and files 'package-lock.json', 'package.json', 'questions.txt', 'Express.js', and 'Node.js'. The main editor area shows a JavaScript file 'q5.js' with the following code:

```
1 You, 23 seconds ago | 1 author (You)
2 const fs = require('fs');
3 const path = require('path');
4 const unzipper = require('unzipper');
5
6 async function unzipFile(sourcePath, destinationPath) {
7   // Validate source and destination paths
8 }
```

The TERMINAL panel at the bottom shows the execution of the code:

```
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q5> node q5 ./public.zip ./
Successfully unzipped "D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q5\public.zip" to "D:\CODE THE WORLD\Ful
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q5> node q5 ./public
Successfully unzipped "D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q5\public.zip" to "D:\CODE THE WORLD\Ful
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q5>
```

A Snipping Tool window is also visible, showing a screenshot of the code and terminal output, with a message: "Screenshot copied to clipboard. Automatically saved to screenshots folder. Mark-up and share".

Q6.

The screenshot shows the same VS Code editor as in Q5. The main editor area shows a JavaScript file 'q6.js' with the following code:

```
10 rmdir.question('Enter the path of the file to delete: ', async (filePath) => {
11   // Implement the logic to delete the file
12 } finally {
13   // Cleanup or final actions
14 }
```

The TERMINAL panel shows the execution of the code:

```
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> node q6
Enter the path of the file to delete: ./hello
Error: EPERM: operation not permitted, unlink 'D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6
\hello'
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> attrib hello
attrib : The term 'attrib' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ attrib hello
+ ~~~~~
    + CategoryInfo          : ObjectNotFound: (attrib:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> attrib hello
D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6\hello
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> attrib -R hello
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> node q6
Enter the path of the file to delete: ./hello
Error: EPERM: operation not permitted, unlink 'D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6
\hello'
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6> node q6
Enter the path of the file to delete: ./hello
Directory deleted: D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6\hello
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q6>
```

Q7.

```
2 async function fetchGooglePage() {
8   }
9
10  const html = await response.text(); // Get the HTML content
11  console.log(html); // Display the HTML in console
12 } catch (error) {
13   console.error('Error fetching Google page:', error.message);
14 }
```

PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111\_tamanna\_701\_A1\q7> node q7.js

<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en-IN"><head><meta content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta content="/images/branding/googlelog/1x/google\_standard\_color\_128dp.png" itemprop="image"><title>Google</title><script nonce="19jew8x5Ucrs0gTpuvZiA">(function(){var \_g={key:'eN55aM\_2K3q04dUPjvXs4Qk',keyPI:'0,202792,62,2,3497455,629,444,5386,61,14112,34679,30022,360901,290044,11106,4565,5214610,11400,5992078,30820565,25340895,26052,14112,8457,56714,6754,23879,9139,4599,328,6225,64165,15049,9205,988,1,2,2401,4124,20379,28334,48240,39,5933,352,18470,410,5070,7714,5773,27612,3890,2,13472,3261,2090,35,3420,21,15,749,726,6686,3208,12107,5683,72,353,13805,3966,2731,6431,8837,632,647,4222,4,4,4811,935,3,1470,3874,1738,266,5,3344,2,1221,1,3463,2,78,831,2,383,29,135,2259,383,88,7,1370,600,1033,939,6,634,4858,4593,5149,519,1394,733,103,4,1,321,780,409,2934,979,667,34,109,2197,7,1761,5,3302,2815,1288,159,3,2,2,2,856,475,4034,276,606,4,111,1783,1,4,351,849,2004,712,691,221,1345,1954,1041,883,18,1947,213,1152,12,8,55,536,2,1,1379,32,84,20,578,1250,282,960,821,744,1149,753,45,669,707,98,174,1135,2,535,244,4,498,66,5,1,506,175,45,83,311,326,107,1,34,21,752,7,5,392,53,981,301,3,2,24,6,1834,133,913,701,1276,354,251,53,47,1038,228,254,9,1,1811,220,3,663,786,4,656,18,783,2,673,132,2,4,8,897,170,122,104,10,42,95,379,71,4,844,27,493,1134,3,244,349,38,1,2,107,60,1511,84,70,2451,598,12,29,22,85,962,2065,18,694,445,6,4,65,246,2245,121,58,12,84,5,792,1352,91,2,253,256,3,2,2,2,771,99,8,174,155,79,1134,278,77,161,140,69,218,624,3,4,3,58,1362,74,282,604,1,30,446,972,21214604,5,2253,739,4,2701,259,3,1308,1929,1096,15,4143,2,3727,276,3,1560,180,3,188,59,42,1679,1083,324,3,749,5,144,199,5,4,82,8408349,5757411,kbl:'utqQ,\*KOPT:89978409'};(function(){var a;((a=window.google)==null?a:stvcsc)?google.key=\_g.key:window.google=\_g;})();call(this));})(function(){google.sns='webp';google.khls='en-IN'}});(function(){var g=this||self;function k(){return window.google&&window.google.kOPT||null};var l=[];function n(a){for(var b;a&&(a.getAttribute||l)=a.getAttribute("eid")){a=a.parentNode;return b}}function p(a){for(var b=null;a&&(a.getAttribute||l)=a.getAttribute("leid")){a=a.parentNode;return b}}function q(a){/^http:\/.test(a)&&window.location.protocol!=="https:"&&(google.ml&&google.ml(Error("a"),1,{s rc:a,glmm:l}),a=="");return a}function r(a,b,d,c,h){var e="";b.search("&ei=")===-1&&(e="&ei="+n(c),b.search("&ei=")===-1&&(c=p(c))&&(e+=n(c));var f=b.search("&cschid=")===-1&&(a="&slh";c="&axx="+Date.now(),toString();g.\_cschid&&f&&(c+="&cschid="+g.\_cschid);(d=d())&&(c+="&opi="+id);return"/"+h||gen\_284)+"/?atyp=i&ct="+String(a)+"&cad="+b+(e+c);l=google.key;google.getEI=n;google.getEI=p;google.ml=function(){return null};google.\_log=function(a,b,d,c,h,e){e===void 0?k:q;d||(!d?(a,b,e,c,h));if(d=q(d)){d=new Image;var f=m.length;n(f)+a;a.onerror=a.onload=a.onabort=function(){delete m[f]};a.src=d}};google.logUrl=function(a,b){b=b===void 0?k:b;return r("","a,b));}});call(this);function(){google.\_yns={};google.sys();function e(a,b,c){if(a!&var d=a;else{do d=Math.random();while(c[d])c[d]=[a,b]}var f;(f=google.xl)(f,x,function(){

Q8.

```
1 {
2   "dependencies": {
3     "archiver": "^7.0.1",
4     "express": "^5.1.0",
5     "express-static": "^1.2.6",
6     "node-fetch": "^2.7.0",
7     "node-static": "^0.7.11",
8     "path": "^0.12.7",
9     "simple-ftp-module": "^1.0.0",
10    "unzipper": "^0.12.3"
11  },
12  "scripts": {
13    "start": "nodemon q1/q1.js",
14    "test": "node --version",
15    "server": "nodemon q3/q3.js",
16    "zip": "nodemon q4/q4.js",
17    "unzip": "node q5/q5.js",
18    "delete-file": "node q7/q7.js"
19  }
20 }
```

You, 1 second ago • Uncommitted changes

Q9.

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the project structure for 'FullStackWebDev(MERN)'. The file 'sample.txt' is selected and open in the editor. The code in 'sample.txt' is:

```
1 hello Generate code: Alt+Shift+Enter
```

The Terminal window at the bottom shows a PowerShell prompt with the command:

```
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q9>
```

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the project structure for 'FullStackWebDev(MERN)'. The file 'renamed.txt' is selected and open in the editor. The code in 'renamed.txt' is:

```
1 This is a test file.
2 Appended line.
```

The Terminal window at the bottom shows a PowerShell prompt with the command:

```
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q9>
```

The terminal output displays file statistics for 'renamed.txt':

```
gid: 0,
rdev: 0,
blksize: 4096,
ino: 844424931034310,
size: 35,
blocks: 0,
atimeMs: 1752817454056.3936,
mtimeMs: 1752817454056.3936,
ctimeMs: 1752817454056.3936,
birthtimeMs: 1752817430572.9268,
atime: 2025-07-18T05:44:14.056Z,
mtime: 2025-07-18T05:44:14.056Z,
ctime: 2025-07-18T05:44:14.056Z,
birthtime: 2025-07-18T05:43:50.573Z
}
```



Q10

The image shows a screenshot of the NPM website and a VS Code editor. The NPM profile page displays the user's name 'tamanna\_shah' and their published package 'simple-ftp-module'. The package description is 'It is a simple ftp module with connection, upload, download and list functionality'. The version is '1.0.0' and it was published '22 minutes ago'. The VS Code editor shows the 'package.json' file for the 'simple-ftp-module' package. The code defines a 'connectToFTP' function using the 'ftp' module. The terminal output shows the command 'node q10.js' being executed, which connects to the FTP host 'test.tallia.net' using the username 'anonymous' and password 'tamananshah1809@gmail.com'.

**NPM Profile:**

- Profile
- Packages
- Account
- Billing Info
- Access Tokens
- Organizations (+)
- None

**1 packages**

**simple-ftp-module**

It is a simple ftp module with connection, upload, download and list functionality

tamanna\_shah published 1.0.0 • 22 minutes ago

**Support**  
Help

**Company**  
About

**Terms & Policies**  
Policies

**VS Code Editor:**

File Edit Selection View ... FullStackWebDev(MERN)

package.json ...\111\_tamanna\_701\_A1 M q9.js ...\111\_tamanna\_701\_A1... M index.js x sample.txt public.zip

assignment1 > 111\_tamanna\_701\_A1 > q10 > ftp-module > index.js > ...

```
3
4 Zencoder | Windsurf: Refactor | Explain | Generate JSDoc | X
5 async function connectToFTP(host, user, password) {
6   const client = new ftp.Client();
7   client.ftp.verbose = true;
```

**TERMINAL**

```
atimeMs: 1752817454056.3936,
mtimeMs: 1752817454056.3936,
ctimeMs: 1752817454056.3936,
birthtimeMs: 1752817430572.9268,
atime: 2025-07-18T05:44:14.056Z,
mtime: 2025-07-18T05:44:14.056Z,
ctime: 2025-07-18T05:44:14.056Z,
birthtime: 2025-07-18T05:43:50.573Z
}
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q9> cd ../q10
PS D:\CODE THE WORLD\FullStackWebDev(MERN)\assignment1\111_tamanna_701_A1\q10> node q10.js
FTP Host: test.tallia.net
Username: <anonymous>
Password: tamananshah1809@gmail.com
Connected to 80.251.0.59:21 (No encryption)
>
```