

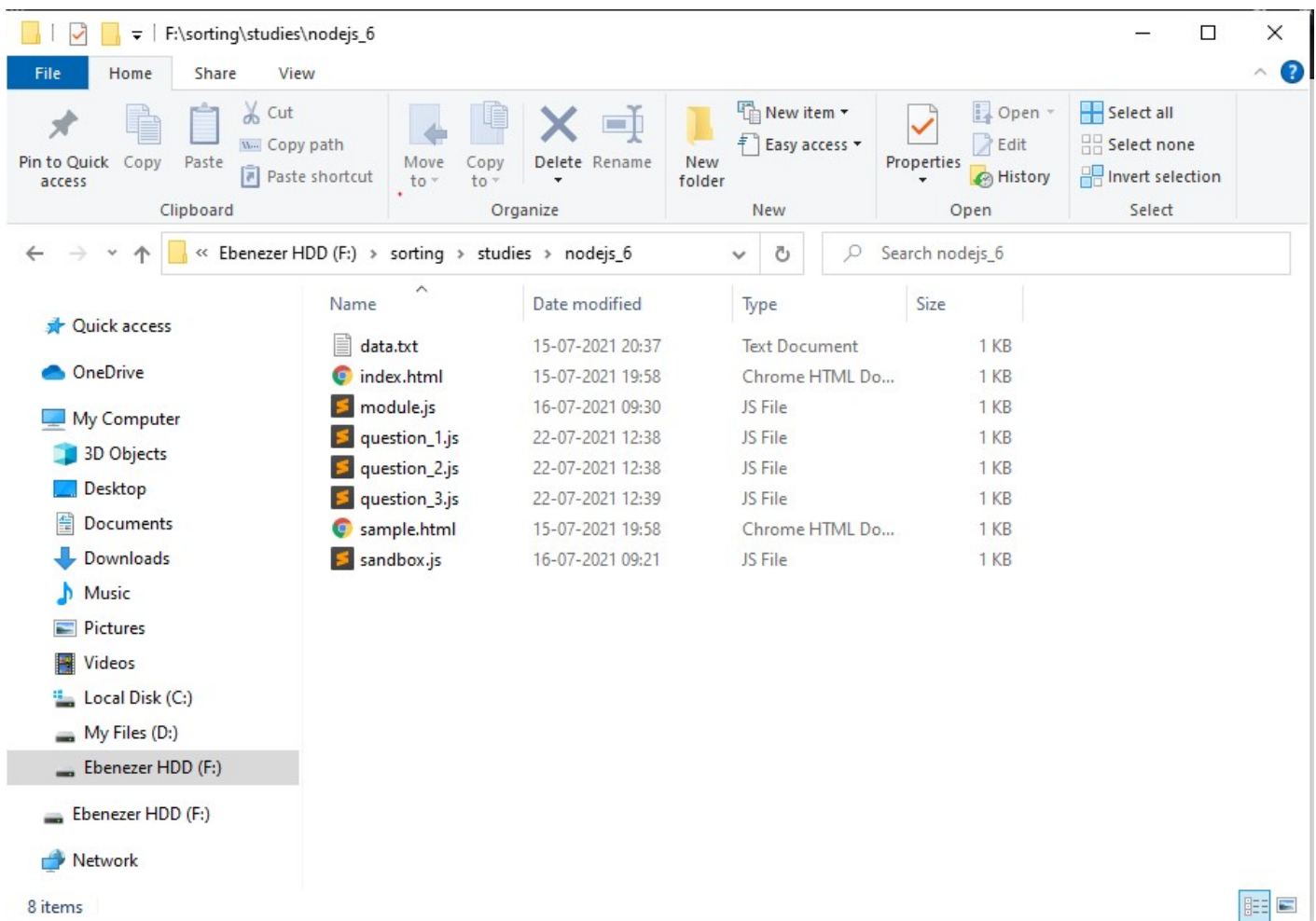
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## **Full Stack Assignment – 6**

**Note :** Maam, I had completed my assignment on 16 July but I forgot to make a report and upload it to Teams. I apologize for my carelessness and not repeat this in the future. I request you to forgive me for my mistake and not reduce marks due to it.

Following is a screenshot of the file modification logs on my pc to show that I had completed it before the allotted time.



Question 1 :

```
1  var events = require('events');
2  var event = new events.EventEmitter();
3  //Question 1.1
4  function display_morning_events(){
5      morning_events = ["Essay Writing","Poetry","Eloquution", "Quiz"]
6      var i=0;
7      const interval = setInterval( function(){
8          console.log(i)
9          event.emit("morning", morning_events[i]);
10         i=i+1;
11         if(i==morning_events.length){
12             clearInterval(interval);
13         }
14     }, 1000);
15 }
16 //Question 1.2
17 function display_evening_events(){
18     evening_events = ["Drawing","Handwriting","Prize Distribution"].forEach(event_name => {
19         event.emit("evening", event_name)
20     })
21 }
22
23
24 event.on('morning', function(event_name) {
25     console.log("Morning :", event_name);
26 });
27
28 event.on('evening', function(event_name) {
29     console.log("Evening :",event_name);
30 });
31
32 display_morning_events();
33 display_evening_events();
```

Output :

```
PS F:\sorting\studies\nodejs_6> node .\question_1.js
Evening : Drawing
Evening : Handwriting
Evening : Prize Distribution
0
Morning : Essay Writing
1
Morning : Poetry
2
Morning : Eloquution
3
Morning : Quiz
PS F:\sorting\studies\nodejs_6> |
```

Question 2 :

Index.html

```

index.html > html
1  <html lang="en">
2  <head>
3      <meta charset="UTF-8">
4      <meta http-equiv="X-UA-Compatible" content="IE=edge">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>One Day Event Handling Application</title>
7
8  </head>
9  <body>
10     <div id='display'></div>
11     <script src="./main.js"></script>
12     This is a sample html file
13 </body>
14 </html>

```

Sample.html

```

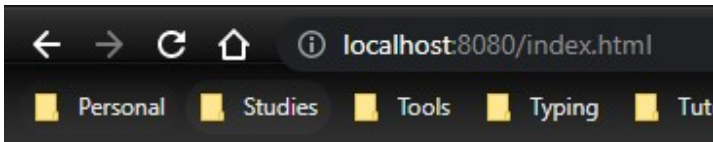
sample.html > html
1  <html lang="en">
2  <head>
3      <meta charset="UTF-8">
4      <meta http-equiv="X-UA-Compatible" content="IE=edge">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      This is another sample html file
10 </body>
11 </html>

```

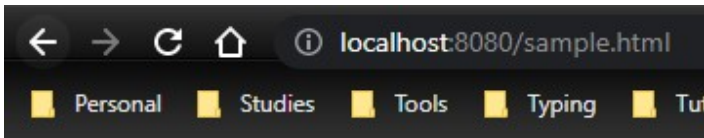
```

1  var http = require('http');
2  var url = require('url');
3  var fs = require('fs');
4  //Question 2
5  http.createServer(function (req, res) {
6      var q = url.parse(req.url, true);
7      var filename = "." + q.pathname;
8      fs.readFile(filename, function(err, data) {
9          if (err) {
10             res.writeHead(404, {'Content-Type': 'text/html'});
11             return res.end("404 Not Found");
12         }
13         res.writeHead(200, {'Content-Type': 'text/html'});
14         res.write(data);
15         return res.end();
16     });
17 }).listen(8080);
18

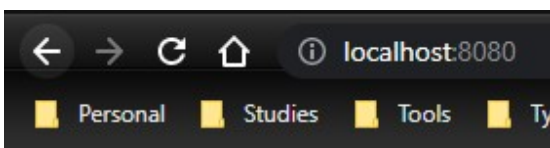
```



This is a sample html file



This is another sample html file



404 Not Found

Question 3 :

```
question_3.js > ...
1 //Question 4.3
2 display = require("./module.js")
3 display()
4 console.log("")
5
6 //Question 4.4
7 fs = require("fs")
8 fs.readFile("data.txt", 'utf8', function(err, data) {
9     if (err) {
10         console.log("File Not Found")
11     }
12     console.log(data);
13 });
```

Data.txt

```
data.txt - Notepad
File Edit Format View Help
Data Analytics
Mobile Application Development
Advanced Java Programming
Full Stack
Ethical Hacking
Digital Forensics
Big Data
```

Output :

```
PS F:\sorting\studies\nodejs_6> node .\question_3.js
My Name is Ebenezer

Data Analytics
Mobile Application Development
Advanced Java Programming
Full Stack
Ethical Hacking
Digital Forensics
Big Data
```