

1. Exercise N1

```
JS HelloWorld.js U X
NodeFolder > JS HelloWorld.js > ...
1  const http = require('http');
2
3  const server = http.createServer(function(request, response){
4      response.writeHead(200, {'Content-Type': 'text/html'});
5      response.write('<h1><strong>Hello World!</strong></h1>');
6      response.end();
7  });
8
9  server.listen(8080, () => { console.log('Server is running.....'); })
10 );
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
PS C:\Users\HP\Desktop\WAP Assignments\bethelbahiru.github.io\NodeFolder> node HelloWorld.js
Server is running.....
```

← → ↻ ⓘ localhost:8080

Hello World!

2. Exercise N2

```
JS Exercise2.js U X
NodeFolder > JS Exercise2.js > ...
1  const dt = require('./MyModule');
2  const http = require('http');
3
4
5  const server = http.createServer(function(request,response){
6      response.writeHead(200, {'Content-Type': 'text/html'});
7      response.end(`<h2>The Date and Time is : ${dt.date()}</h2>`);
8  });
9
10
11  server.listen(8080, () => {console.log('Server Running.....')});

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE
PS C:\Users\HP\Desktop\WAP Assignments\bethelbahiru.github.io\NodeFolder> node Exercise2.js
Server Running.....
```

```
JS MyModule.js U X
NodeFolder > JS MyModule.js > MyDate
1  function MyDate() {
2      return Date();
3  }
4
5  exports.date = MyDate;
```

← → ↻ 🌐 localhost:8080

The Date and Time is : Thu Jan 27 2022 18:19:45 GMT-0600 (Central Standard Time)

3. Exercise N3

```
Exercise3.js U X
NodeFolder > Exercise3.js > ...
1  const http = require('http');
2
3
4  const server = http.createServer(function(request, response) {
5    response.write(request.url);
6    response.end();
7  });
8
9
10 server.listen(8080, () => { console.log('Server Running.....')});
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS C:\Users\HP\Desktop\WAP Assignments\bethelbahiru.github.io\NodeFolder> node Exercise3.js
Server Running.....

← → ↻ ⓘ localhost:8080/apples

/apples

← → ↻ ⓘ localhost:8080/peers

/peers

← → ↻ ⓘ localhost:8080/strawberries

/strawberries

4. Exercise N4

```
JS add.js U X
NodeFolder > JS add.js > ...
1  const http = require('http');
2  var url = require('url');
3  var fs = require('fs');
4  var addmod = require('./addmod.js');
5
6  const server = http.createServer(function(request, response) {
7      var q = url.parse(request.url, true);
8      var filename = "." + q.pathname;
9      if(q.pathname == "/addmod.js") {
10         addmod.add(request,response,q.query);
11     }
12     else
13     fs.readFile(filename, function(err, data) {
14         if (err) {
15             response.writeHead(404, {'Content-Type': 'text/html'});
16             return response.end("404 Not Found");
17         }
18         response.writeHead(200);
19         response.write(data);
20         return response.end();
21     });
22 });
23

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

PS C:\Users\HP\Desktop\WAP Assignments\bethelbahiru.github.io\NodeFolder> node Exercise3.js
Server Running.....
PS C:\Users\HP\Desktop\WAP Assignments\bethelbahiru.github.io\NodeFolder> node add.js
Server Running.....
█
```

```
JS addmod.js U X
NodeFolder > JS addmod.js > add
1  exports.add = function (req,res,vals) {
2      var sum = parseInt(vals.first) + parseInt(vals.second);
3      res.writeHead(200, {'Content-Type': 'text/html'});
4      res.write(`<!DOCTYPE html>
5      <html>
6      <head><meta charset=\`"utf-8\`"/>
7      <title>Calculator Web Site</title>
8      </head>
9      <body>
10     <p>The sum is: ${String(sum)}</p>
11     </body>
12     </html> ` );
13     return res.end();
14 }
```

```
JS addmod.js U simpleAdder.html U X
NodeFolder > simpleAdder.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Simple Adder</title>
8 </head>
9 <body>
10   <form action= "http://localhost:8080/addmod.js">
11     <label>First Number: </label> <input type="number" name = "first"/>
12     <br>
13     <br>
14     <label>Second Number: </label> <input type="number" name = "second"/>
15     <br>
16     <br>
17     <input type="submit" name= "add" />
18   </form>
19
20 </body>
21 </html>
```

← → ↻ ⓘ 127.0.0.1:5500/NodeFolder/simpleAdder.html

First Number:

Second Number:

← → ↻ ⓘ localhost:8080/addmod.js?first=45&second=45&add=Submit

The sum is: 90