

Node – Exercises

1.

```
exercise_01 > JS helloWorld.js > ...
```

```
1 var http = require('http');
2 http.createServer(function(req,res){
3     res.writeHead(200,{ 'content-type': 'text/html' });
4     res.end('Hello world!')
5 }).listen(8080);
6 console.log('Node.js web server at port 8080 is running..')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

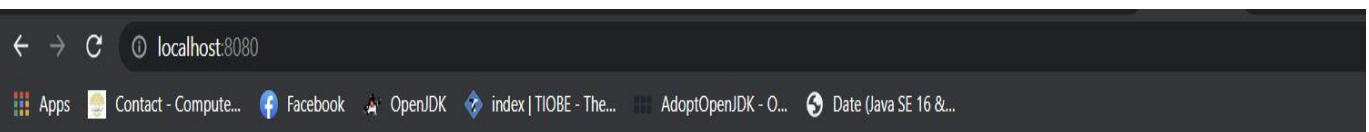
d----- 11/11/2021 12:16 PM play

```
PS C:\NodeJS_Files> cd .\exercise_01\
PS C:\NodeJS_Files\exercise_01> dir
```

Directory: C:\NodeJS_Files\exercise_01

| Mode | LastWriteTime | Length | Name |
|--------|---------------------|--------|---------------|
| ---- | ----- | ----- | ---- |
| -a---- | 11/11/2021 12:04 PM | 227 | helloWorld.js |

```
PS C:\NodeJS_Files\exercise_01> node .\helloWorld.js
Node.js web server at port 8080 is running..
```



Hello world!

2.

```
exercise_N2 > JS myModule.js > ...  
1  myDate = function () {  
2      return Date();  
3  };  
4  exports.myDate = myDate;
```

← → ↻ localhost:8080

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The date and time are currently: Thu Nov 11 2021 20:07:03 GMT-0600 (Central Standard Time)

```
exercise_N2 > JS Node.js > http.createServer() callback  
1  var http = require('http');  
2  var dt = require('./myModule');  
3  http.createServer(function (req, res) {  
4      res.writeHead(200,  
5      {'Content-Type': 'text/html'});  
6      res.write("The date and time are currently: " + dt.myDate());  
7      res.end();  
8  }).listen(8080);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

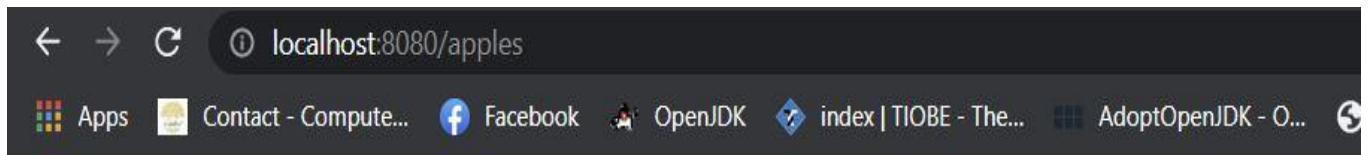
Windows PowerShell

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PS C:\NodeJS_Files> cd .\exercise_N2\
PS C:\NodeJS_Files\exercise_N2> node .\Node.js

3.



/apples

```
Exercise_N3.js > JS demo_request.js > ...
1  var http = require('http');
2  http.createServer(function (req, res) {
3    res.writeHead(200, {'Content-Type': 'text/html'});
4    res.write(req.url);
5    res.end();
6  }).listen(8080);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
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PS C:\NodeJS_Files> cd .\Exercise_N3.js\
PS C:\NodeJS_Files\Exercise_N3.js> node .\demo_request.js
```

4.

localhost:8080/SimpleAdder.html

Enter two numbers

100

300

Click

localhost:8080/add.js?first=100&second=300

The sum is: 400

```
Exercise_N4 > JS AdderWebServer.js > ...
1  var http = require('http');
2  var url = require('url');
3  var fs = require('fs');
4  var addmod = require('./addMode.js');
5  http.createServer(function (req, res) {
6      var q = url.parse(req.url, true);
7      var filename = "." + q.pathname;
8      if (q.pathname=="/add.js")
9          addmod.add(req,res,q.query)
10     else
11     fs.readFile(filename, function(err, data) {
12     if (err) {
13         res.writeHead(404, {'Content-Type': 'text/html'});
14         return res.end("404 Not Found");
15     }
16     res.writeHead(200); // Content-Type not included
17     res.write(data);
18     return res.end();
19     });
20 }).listen(8080);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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```
PS C:\NodeJS_Files> cd .\Exercise_N4\  
PS C:\NodeJS_Files\Exercise_N4> node .\AdderWebServer.js
```