

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..')
```

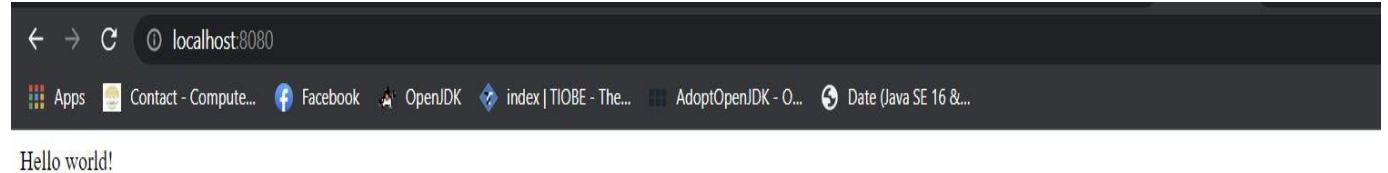
PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL**
d----- 11/11/2021 12:16 PM play

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

Directory: C:\NodeJS_Files\exercise_01

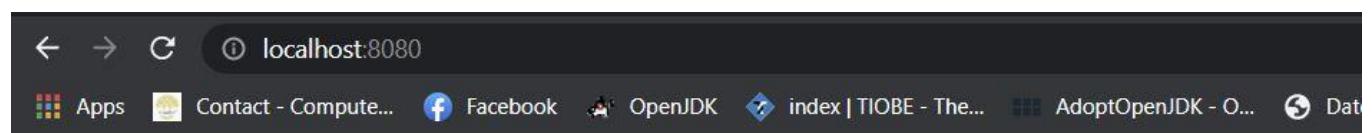
Mode	LastWriteTime	Length	Name
-a---	11/11/2021 12:04 PM	227	helloWorld.js

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



2.

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



```
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);
```

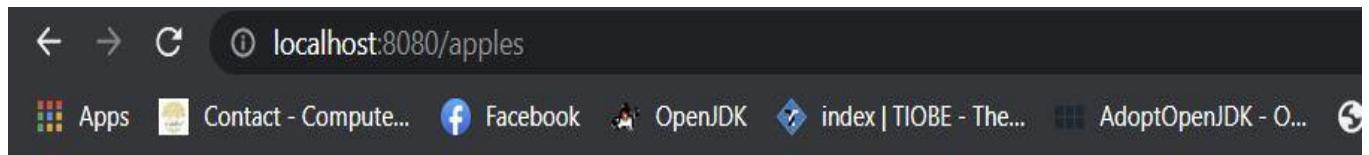
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Windows PowerShell
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```
PS C:\NodeJS_Files> cd .\exercise_N2\
PS C:\NodeJS_Files\exercise_N2> node .\Node.js
```

3.



```
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);
```

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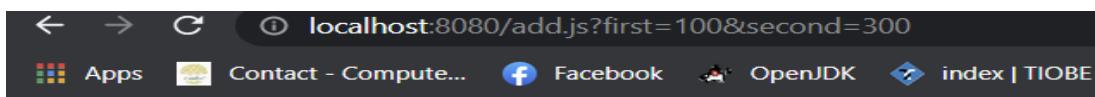
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```
PS C:\NodeJS_Files> cd .\Exercise_N3.js\
PS C:\NodeJS_Files\Exercise_N3.js> node .\demo_request.js
```

4.

A screenshot of a web browser window. The address bar shows "localhost:8080/SimpleAdder.html". The page contains a form with two input fields and a button. The first input field has "100" in it, and the second input field has "300" in it. Below the inputs is a button labeled "Click".



```
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);
```

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