

Exercise scenarios:

1. Installing node latest version and npm

```
@ [ttn]~ -> node -v
v11.14.0
@ [ttn]~ -> npm -v
6.7.0
```

2. Read file asynchronously and synchronously

```
index.js x syncRead.js x asyncRead.js x message.txt x
1 var fs = require('fs');
2 var contents = fs.readFile('message.txt','utf8', function(err,contents){
3   console.log(contents);
4 });
5 console.log("Hello Node\n");
6
```

```
index.js x syncRead.js x asyncRead.js x mes
1 var fs = require('fs');
2 var contents = fs.readFileSync('message.txt','utf8');
3 console.log(contents);
4 console.log("Hello Node\n");
5 exports.sum = function(a,b){
6   console.log(`Sum of ${a} and ${b} is ${a+b}`);
7 }
```

```
@ [ttn]testapp -> node syncRead.js
Illuminati rocks!
Hello Node

@ [ttn]testapp -> node asyncRead.js
Hello Node

Illuminati rocks!
```

3. Install dependencies and devdependencies

```
@ [ttn]testapp -> npm i axios
npm WARN ravi@1.0.0 No repository field.

+ axios@0.18.0
added 5 packages from 8 contributors and audited 5 packages in 1.886s
found 0 vulnerabilities

@ [ttn]testapp -> npm i --dev liteserver
npm WARN install Usage of the '--dev' option is deprecated. Use '--only=dev' instead.
npm WARN ravi@1.0.0 No repository field.

+ liteserver@0.3.0
added 4 packages from 3 contributors and audited 9 packages in 3.83s
found 0 vulnerabilities
```

4. Creating module and import & export

```
index.js x syncRead.js x asyncRead.js x
1 var sumFunction=require("./syncRead.js");
2 sumFunction.sum(1,2);
3
4 const http = require('http');
5
6 http.createServer(function (req, res) {
7   res.writeHead(200, {'Content-type':'text'});
8   res.end("hello everyone ");
9 }).listen(5000);
10
```

```
@ [ttn]testapp -> node index.js
Illuminati rocks!
Hello Node

Sum of 1 and 2 is 3
```

5. Creating a http server

```
const http = require('http');

http.createServer(function (req, res) {
  res.writeHead(200, {'Content-type':'text'});
  res.end("hello everyone ");
}).listen(5000);
```