Node.js Exercise 1

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node ans1.js
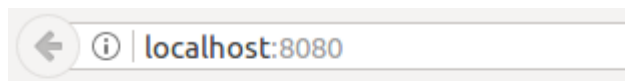```

```
sum.js                                    ans5.js   ukinode.js   ans3.3.js   ans3.5.js   ans6.js   ans8.js — n   ans8.js — l   sum.js   a
1  exports.sum_average = function (num1,num2) {        1
2      return (num1+num2/2);                            2        var http = require('http');
3  };                                                   3   var dt = require('./sum.js');
4                                                        4
                                                        5   http.createServer(function (req, res) {
                                                        6       res.writeHead(200, {'Content-Type': 'text/html'});
                                                        7       res.write("average of the two numbers: " + dt.sum_average(123,321));
                                                        8       res.end();
                                                        9   }).listen(8080);
                                                        10
```

← ⓘ | localhost:8080

average of the two numbers: 283.5

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node ans1.js
```
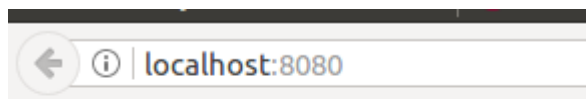
```
sum.js                                    ans5.js   ukinode.js   ans3.3.js   ans3.5.js   ans6.js   ans8.js — n   ans8.js — l   sum.js   a
1  exports.sum_average = function (num1,num2) {        1
2      return (num1+num2);                              2        var http = require('http');
3  };                                                   3   var dt = require('./sum.js');
4                                                        4
                                                        5   http.createServer(function (req, res) {
                                                        6       res.writeHead(200, {'Content-Type': 'text/html'});
                                                        7       res.write("average of the two numbers: " + dt.sum_average(123,321));
                                                        8       res.end();
                                                        9   }).listen(8080);
                                                        10
```

← ⓘ | localhost:8080

average of the two numbers: 444

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node node.js
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node ans3.js
Saved!
```

```
1   var fs = require('fs');
2
3   fs.writeFile('ukinode.txt', function (err) {
4     if (err) throw err;
5     console.log('Saved!');
6   });
7
```

```
1  var fs = require('fs');
2
3  fs.appendFile('ukinode.txt', 'this is very impotant calss for uki i am uki student.', function (err) {
4    if (err) throw err;
5    console.log('Updated!');
6  });
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node ans3.1.js
```

```
1   var http = require('http');
2   var fs = require('fs');
3   http.createServer(function (req, res) {
4     fs.readFile('ukinode.txt', function(err, data) {
5       res.writeHead(200, {'Content-Type': 'text/html'});
6       res.write(data);
7       res.end();
8     });
9   }).listen(8001);
```

or uki i am uki student.

ode ans3.2.js

```
1  var fs = require('fs');
2
3  fs.appendFile('ukinode.txt', ' This is my uki .', function (err) {
4    if (err) throw err;
5    console.log('Updated!');
6  });
7
```

```
1  var fs = require('fs');
2
3  fs.rename('ukinode.txt', 'ukinodejsexercise1.txt', function (err) {
4    if (err) throw err;
5    console.log('File Renamed!');
6  });
7
```

```
1   var fs = require('fs');
2
3   fs.unlink('ukinodejsexercise1.txt', function (err) {
4     if (err) throw err;
5     console.log('File deleted!');
6   });
7
```

4.

← ⓘ | file:///home/ukistu11/Documents/uki_exercises/node.js/head.html

you have got head

head.html
```
1   <!DOCTYPE html>
2   <html>
3   <body>
4
5   <p>you have got head
6   </p>
7   </body>
8   </html>
9
```

demo_fileserver.js
```
1    var http = require('http');
2    var url = require('url');
3    var fs = require('fs');
4
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(8008);
18
```
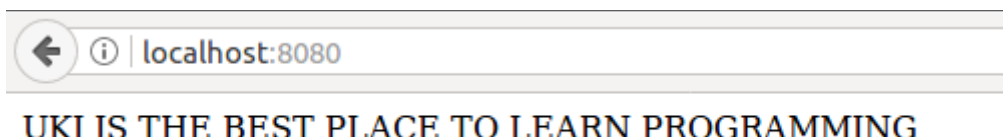
tail.html
```
1   <!DOCTYPE html>
2   <html>
3   <body>
4   <p>you have got tail</p>
5   </body>
6   </html>
7
```

5. Install the package "upper-case" using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming !" into upper-case letters.

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ npm install upper-case
/home/ukistu11/Documents/uki_exercises/node2.js
└── upper-case@1.1.3

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu11/Documents/uki_exercises/node2.js/package.json'
npm WARN node2.js No description
npm WARN node2.js No repository field.
npm WARN node2.js No README data
npm WARN node2.js No license field.
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$
```

```
                   ans5.js

1   var http = require('http');
2   var uc = require('upper-case');
3   http.createServer(function (req, res) {
4       res.writeHead(200, {'Content-Type': 'text/html'});
5       res.write(uc("Uki is the best place to learn programming"));
6       res.end();
7   }).listen(8080);
8
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js/node_modules/upper-case$ nod
e ans5.js
```

localhost:8080

UKI IS THE BEST PLACE TO LEARN PROGRAMMING

6.

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ node ans6.js
I bark
```

```
1   var events = require('events');
2   var eventEmitter = new events.EventEmitter();
3
4   //Create an event handler:
5   var myEventHandler = function () {
6     console.log('I bark when I see strangers!');
7   }
8
9   //Assign the event handler to an event:
10  eventEmitter.on('bark', myEventHandler);
11
12  //Fire the 'scream' event:
13  eventEmitter.emit('bark');
14
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ npm install formidable
/home/ukistu11/Documents/uki_exercises/node2.js
└── formidable@1.1.1

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu11/Document
s/uki_exercises/node2.js/package.json'
npm WARN node2.js No description
npm WARN node2.js No repository field.
npm WARN node2.js No README data
npm WARN node2.js No license field.
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$ npm install formidable
/home/ukistu11/Documents/uki_exercises/node2.js
└── formidable@1.1.1

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu11/Document
s/uki_exercises/node2.js/package.json'
npm WARN node2.js No description
npm WARN node2.js No repository field.
npm WARN node2.js No README data
npm WARN node2.js No license field.
ukistu11@ukipc11:~/Documents/uki_exercises/node2.js$
```