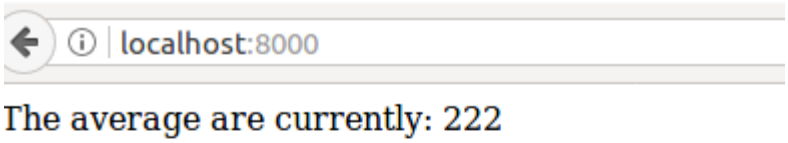
1.



avarage.js

```
exports.myaverage = function  (n1,n2) {
    return ((n1+n2)/2);
};

```

js3.js

```
http = require('http');
dt = require('./avarage');

.createServer(function (req, res) {
res.writeHead(200, {'Content-Type': 'text/html'});
res.write("The average are currently: " + dt.myaverage(123,321));
res.end();
isten(8000);

```

2.

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

//create a server object:
http.createServer(function (req, res) {
  res.write('welcome to uki.i am Danskeerththana'); //write a res
  res.end(); //end the response
}).listen(8000); //the server object listens on port 8000

```

```
kistu03@uktpc03:~/Documents/ukt_exercise/node.js$ node welcome.js
```

3

js4.js

```
var fs = require('fs');

fs.writeFile('ukinode.txt', 'hello uki!', function (err) {
  if (err) throw err;
  console.log('Saved!');
});
```

1.

```
[1]+  Stopped                 node js3.js
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node js4.js
Saved!
```

2.

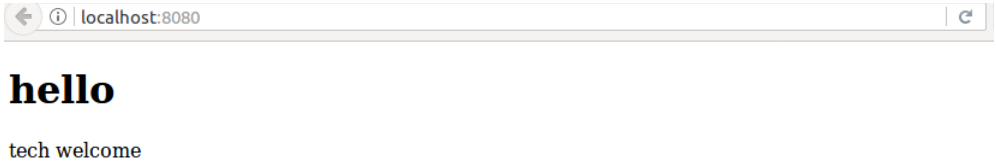
js6.js

```
var http = require('http');
var fs = require('fs');
http.createServer(function (req, res) {
  fs.readFile('js3.html', function(err, data) {
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    res.end();
  });
}).listen(8080);
```

js3.html

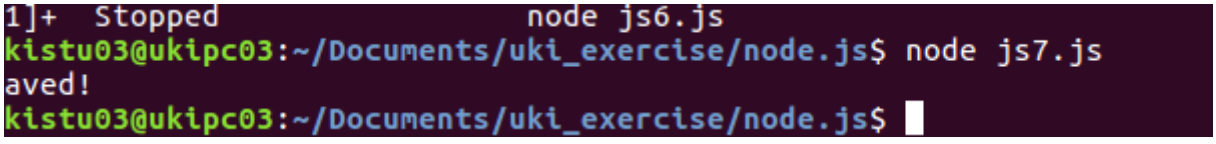
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset=
    <title
  </head>
  <body>
    <h1> hello</h1>
    <p>tech welcome</p>
  </body>
</html>
```

Connection Established
You are now connected to the Wi-Fi network 'uki'.


localhost:8080
hello
tech welcome

3.

js7.js
1 var fs = require('fs');
2
3 fs.appendFile('ukinode.txt', 'Hello content!', function (err) {
4 if (err) throw err;
5 console.log('Saved!');
6 });
7


1]+ Stopped node js6.js
kistu03@ukipc03:~/Documents/uki_exercise/node.js$ node js7.js
aved!
kistu03@ukipc03:~/Documents/uki_exercise/node.js$

4.

js8.js

```
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
```

```
    at tryModuleLoad (module.js:446:12)
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node js8.js
File Renamed!
```

5.

js9.js

```
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
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node js9.js
File deleted!
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

4.

```
uklstu11@uklpc11:~/Documents/ukl_exercises/node.js$ node demo_fileserver.js
```

```
var http = require('http');
var url = require('url');
var fs = require('fs');

http.createServer(function (req, res) {
  var q = url.parse(req.url, true);
  var filename = "head.html" + q.pathname;
  fs.readFile(filename, function(err, data) {
    if (err) {
      res.writeHead(404, {'Content-Type': 'text/html'});
      return res.end("404 Not Found");
    }
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(data);
    return res.end();
  });
}).listen(8080);

```

```
<!DOCTYPE html>
<html>
<body>
<h1>Head</h1>
<p>you have got head!</p>
</body>
</html>

```

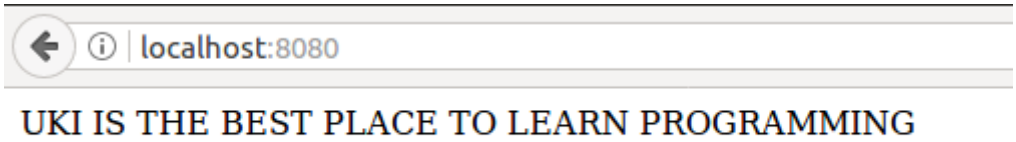
```
<!DOCTYPE html>
<html>
<body>
<h1>tail</h1>
<p>you have got tail</p>
</body>
</html>

```

5.

```
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$
```

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

```

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

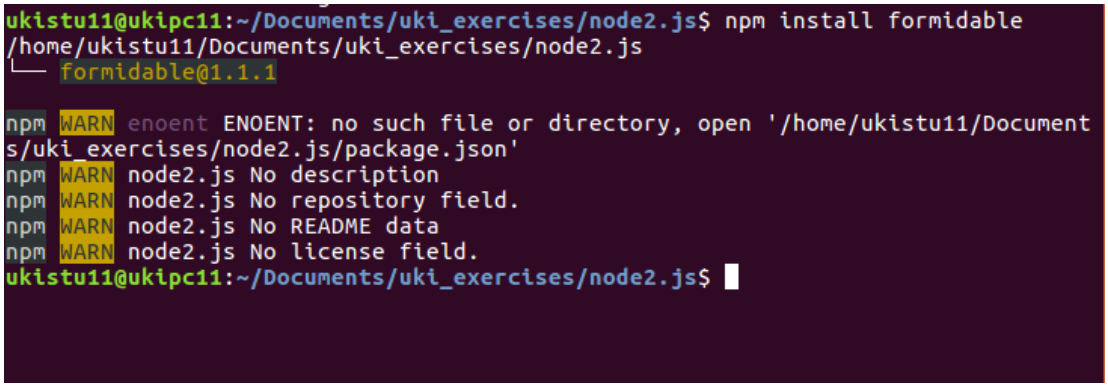


6.

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

```
var events = require('events');
var eventEmitter = new events.EventEmitter();

//Create an event handler:
var myEventHandler = function () {
  console.log('I bark when I see strangers!');
}

//Assign the event handler to an event:
eventEmitter.on('bark', myEventHandler);

//Fire the 'scream' event:
eventEmitter.emit('bark');

```

7.



1

js9.js | kd.js

```
1  var nodemailer = require('nodemailer');
2
3  var transporter = nodemailer.createTransport({
4    service: 'gmail',
5    auth:
6      user: 'dans keerththana',
7      pass: '***************'
8    }
9  });
.0
.1 var mailOptions = {
.2   from: '',
.3   to: 'info@uki.life',
.4   subject: 'Testing my nodemailer module',
.5
.6 };
.7
.8 transporter.sendMail(mailOptions, function(error, info){
.9   if (error) {
!0     console.log(error);
!1   } else {
!2     console.log('Email sent: ' + info.response);
!3   }
!4 });
!5
```

ukistu03@ukipc03: ~/Documents/uki_exercise/node.js

```
istu03@ukipc03:~/Documents/uki_exercise/node.js$ node kd.js
ome/ukistu03/Documents/uki_exercise/node.js/kd.js:6
  user: 'dans keerththana',
      ^
ntaxError: Unexpected token :
  at createScript (vm.js:56:10)
  at Object.runInThisContext (vm.js:97:10)
  at Module._compile (module.js:542:28)
  at Object.Module._extensions..js (module.js:579:10)
  at Module.load (module.js:487:32)
  at tryModuleLoad (module.js:446:12)
  at Function.Module._load (module.js:438:3)
  at Module.runMain (module.js:604:10)
  at run (bootstrap_node.js:390:7)
  at startup (bootstrap_node.js:150:9)
istu03@ukipc03:~/Documents/uki_exercise/node.js$
```

8.