Node.Js Exercise 01

1. Create a custom module which returns the sum and average of any two numbers passed into it. Require the module and run the server by passing 123 and 321 so that the server prints out the sum and average.

```
exports.sum = function (a,b) {
  return (a+b);
};

exports.avg = function (a,b) {
  return ((a+b)/2);
};
```

```
var sum = require('./sum')
var a=15, b=15;
console.log("Sum of the number is : " + sum.sum(a,b));
console.log("Average of number is : " + sum.avg(a,b));
```

Project

nodejs

Q1.js

sum.js

Q1.js | sum.js

```
1 var sum = require('./sum')
2 var a=15, b=15;
3 console.log("Sum of the number is : " + sum.sum(a,b));
4 console.log("Average of number is : " + sum.avg(a,b));
5
```

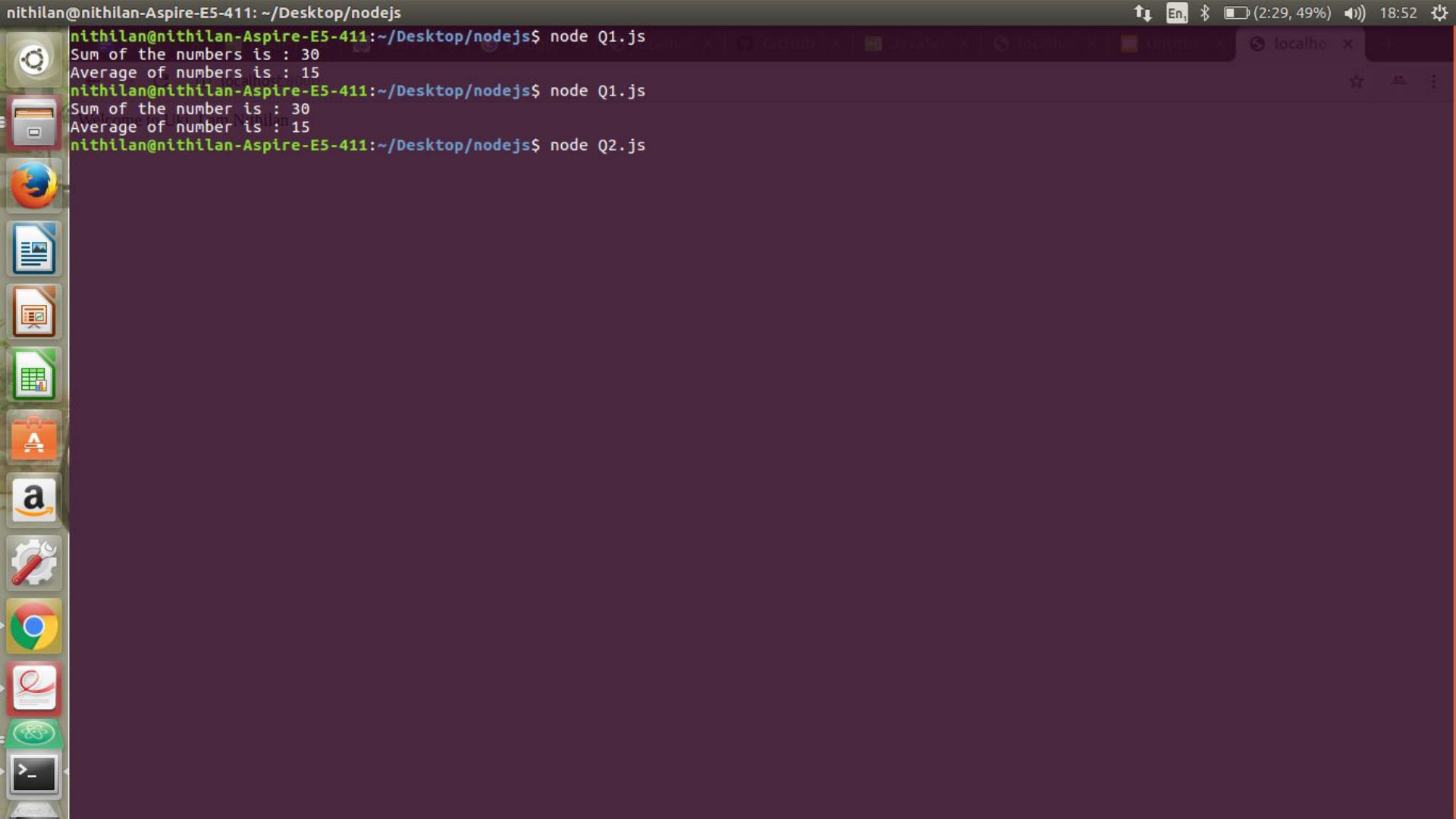
En (3:01, 53%) 18:43

Project

- nodejs
  - Q1.js
  - sum.js

Q1.js | sum.js

```
1  exports.sum = function (a,b) {
2    return (a+b);
3  };
4
5  exports.avg = function (a,b) {
6    return ((a+b)/2);
7  };
8
```



```
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q1.js
Sum of the numbers is : 30
Average of numbers is : 15
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q1.js
Sum of the number is : 30
Average of number is : 15
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q2.js
```

2 Create a simple http server and print “Welcome to Uki. I am **yourname**” when a request is sent to your server via the port 8000. (Note - Change different port numbers and check)

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


http.createServer(function (req, res) {
  res.writeHead(200, {'Content-Type': 'text/html'});
  res.end("Welcome to Uki. I am Nithilan");
}).listen(8000);
```

Project

nodejs

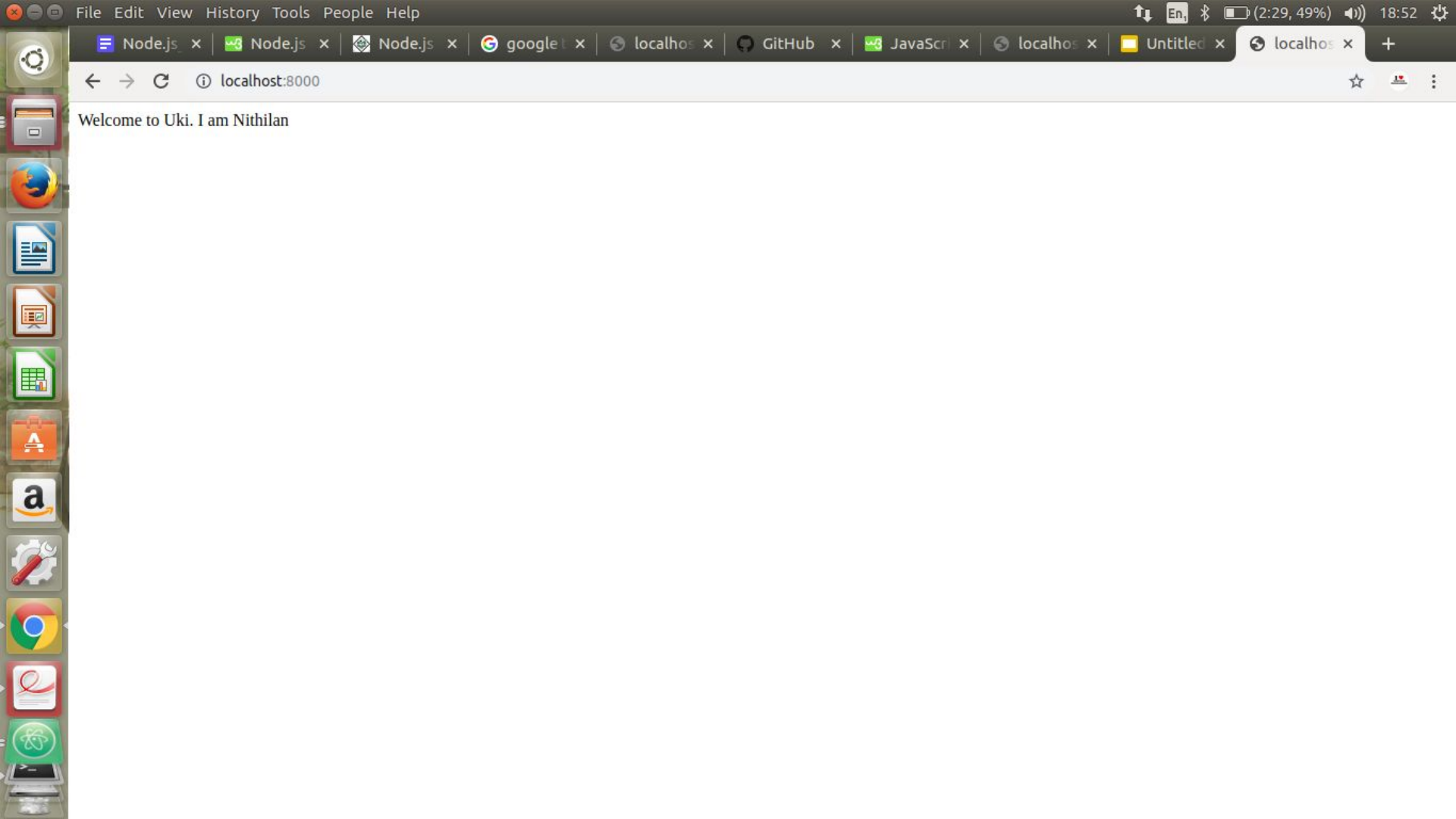
Q1.js

Q2.js

sum.js

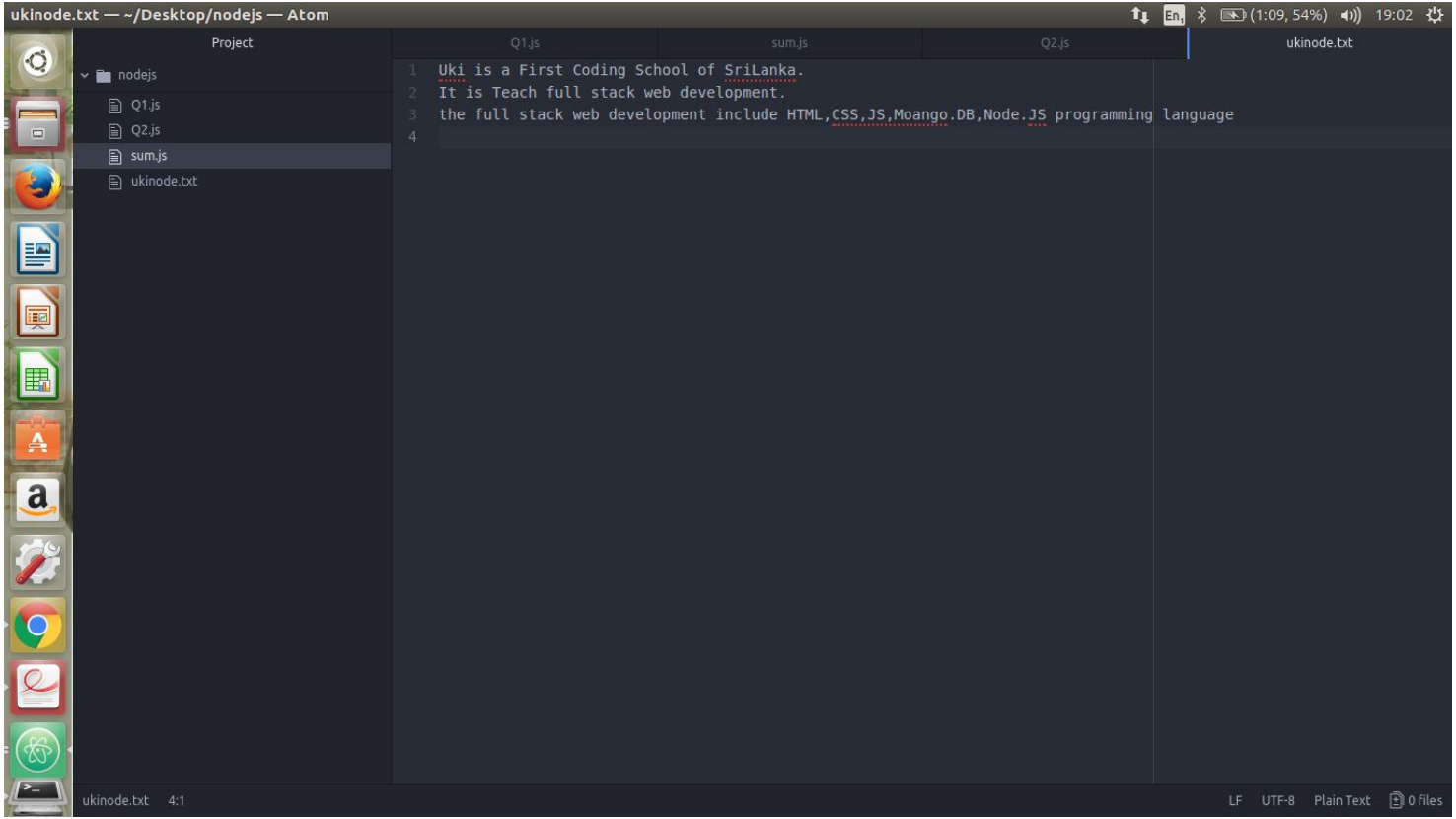
Q1.js | sum.js | Q2.js

```
1  var http = require('http');
2
3  http.createServer(function (req, res) {
4    res.writeHead(200, {'Content-Type': 'text/html'});
5    res.end("Welcome to Uki. I am Nithilan");
6  }).listen(8000);
7
```

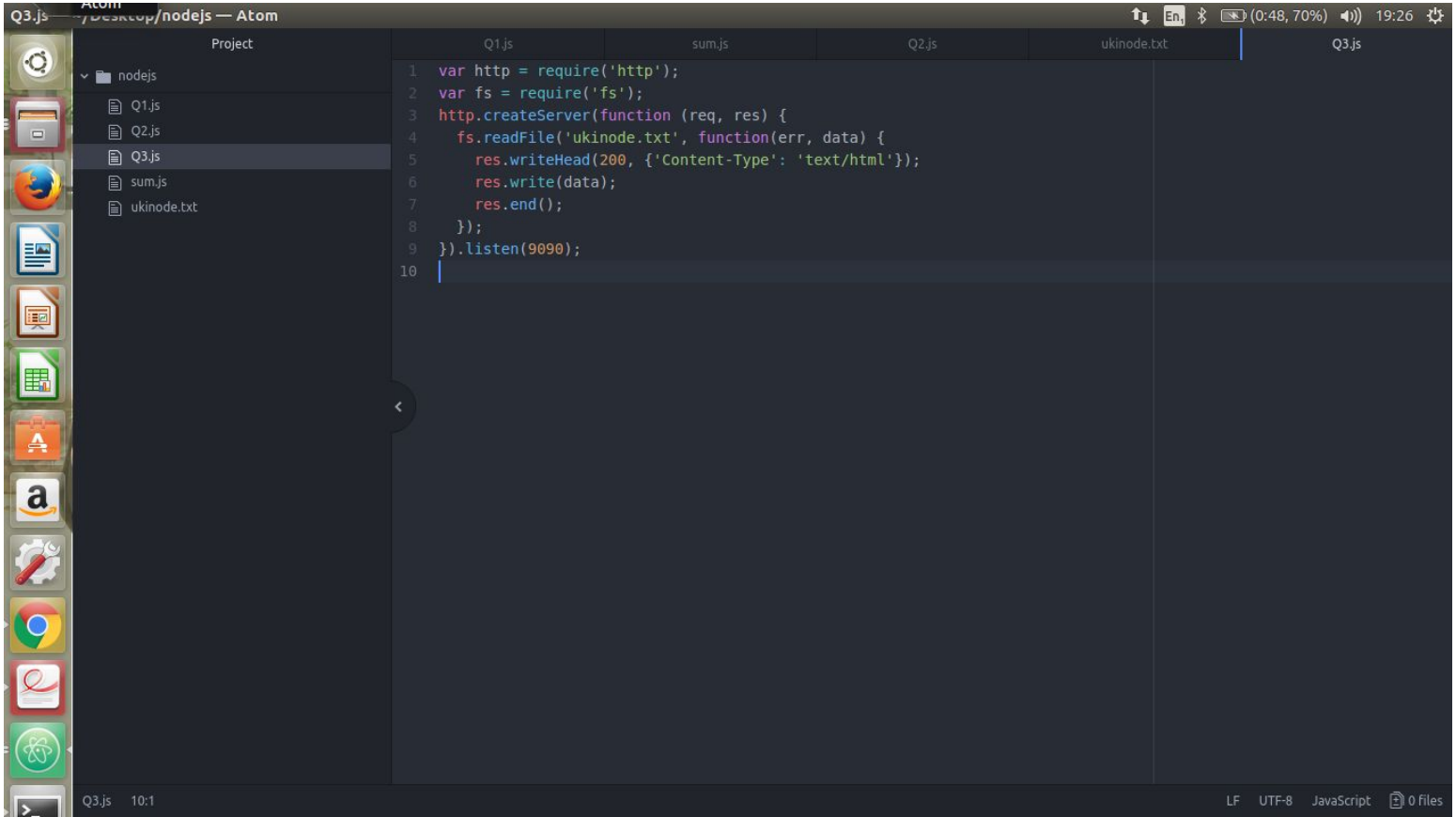

File Edit View History Tools People Help
(2:29, 49%)
18:52
Node.js
Node.js
Node.js
GitHub
JavaScr
Untitled
localhos
localhost:8000
Welcome to Uki. I am Nithilan

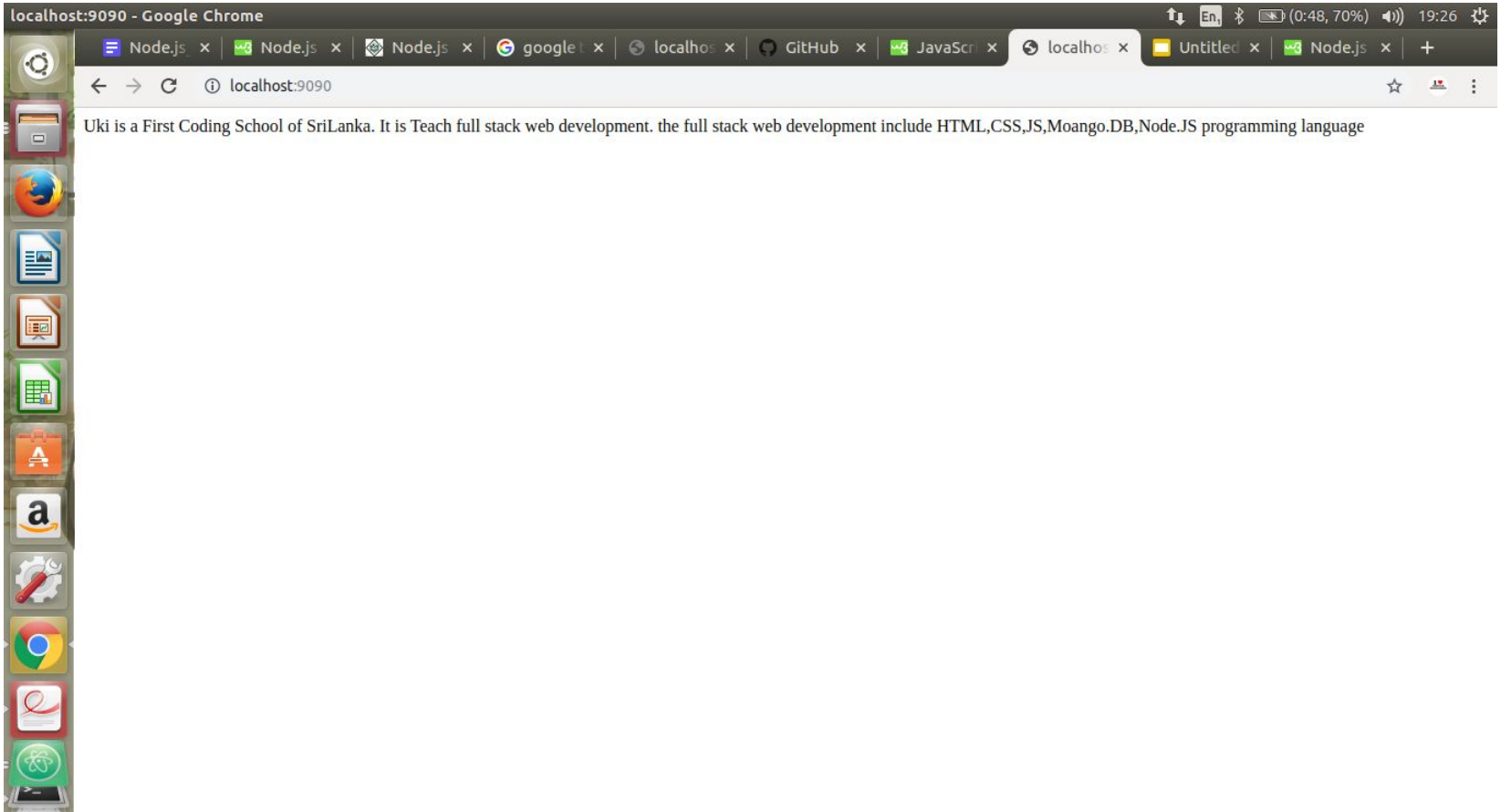
3 Using the file system module create a new file called ukinode.txt

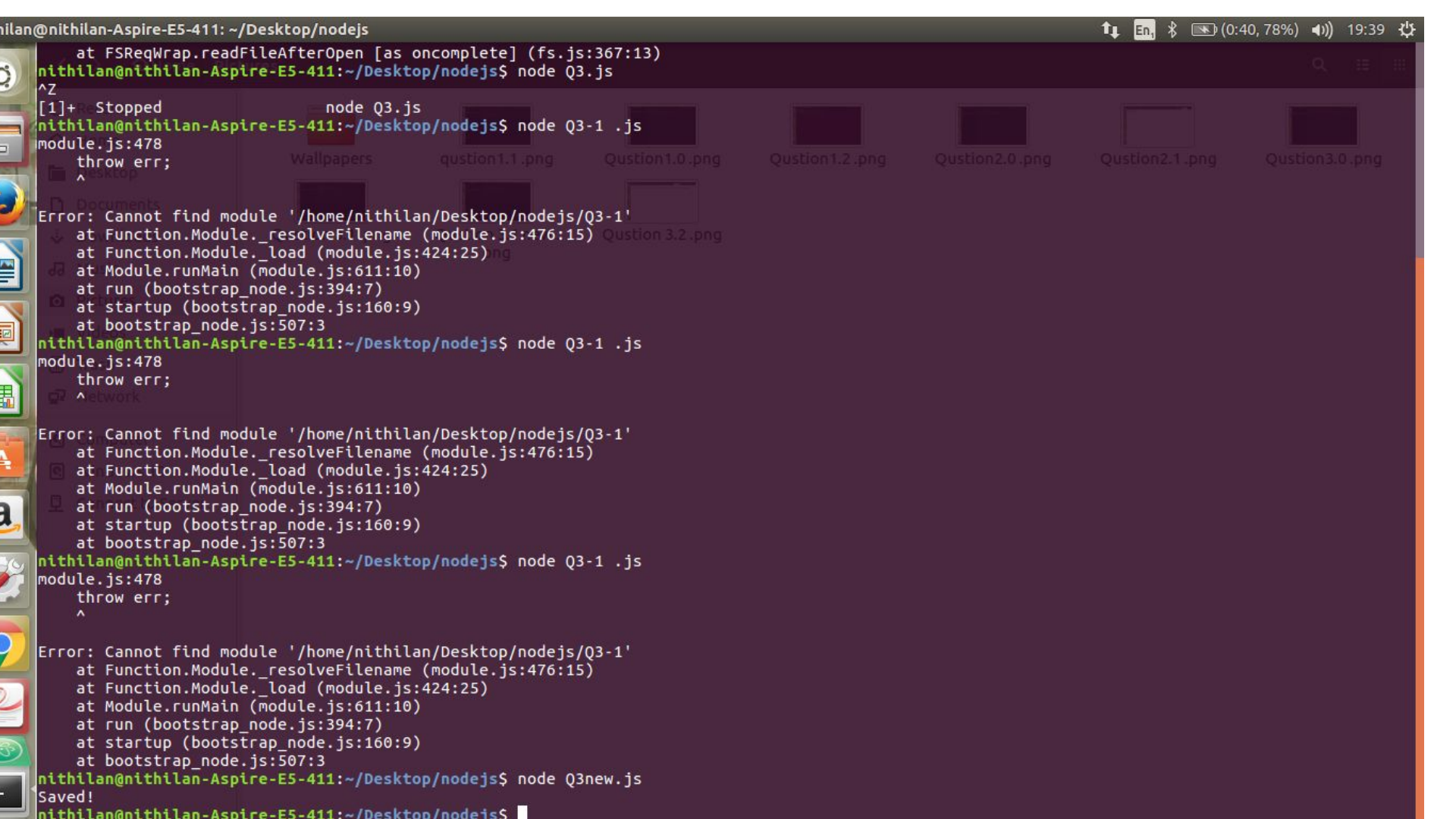
3.1 Write a paragraph about Uki into that file



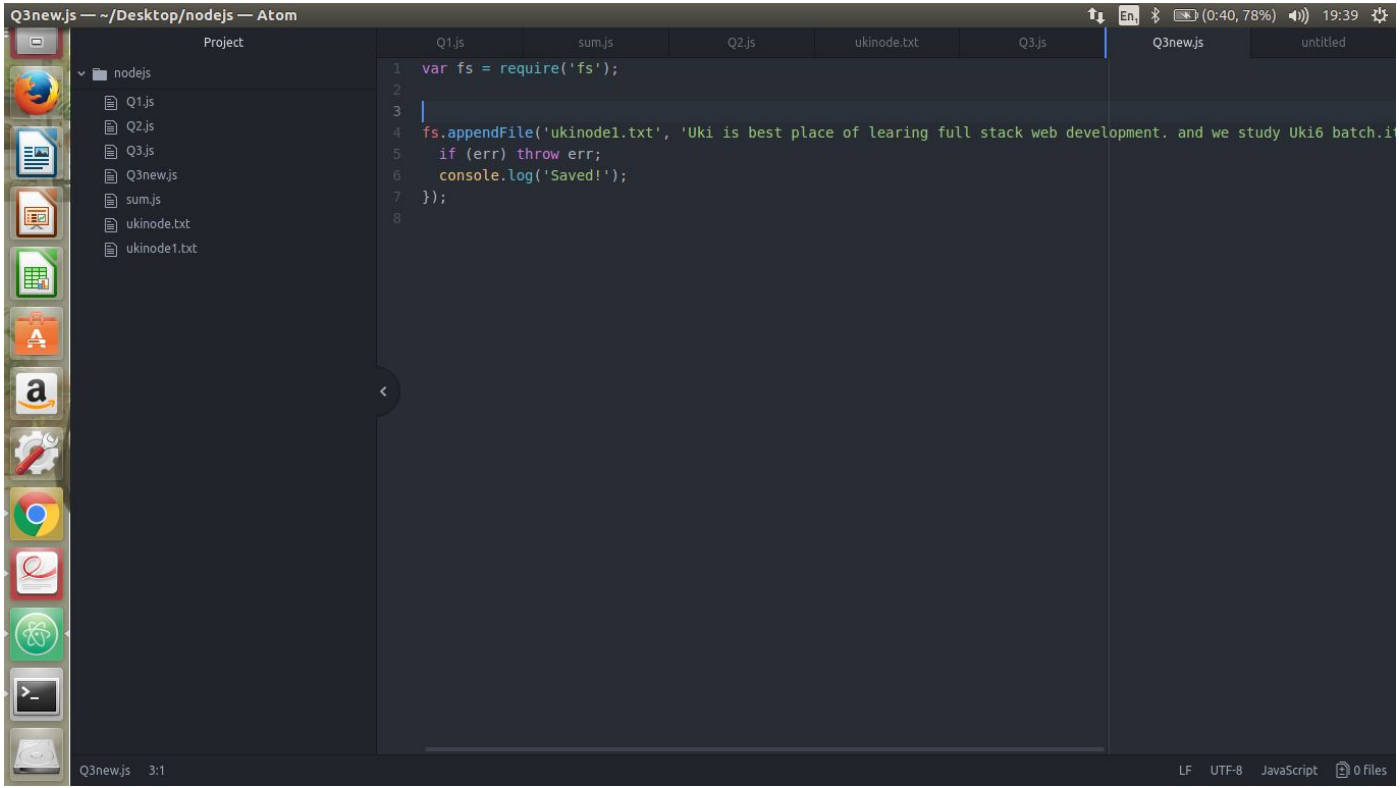
3.2 Serve that file to the client (Read File) over your server




localhost:9090 - Google Chrome
Node.js
Node.js
Node.js
GitHub
JavaScr
localhos
Untitled
Node.js
localhost:9090
Uki is a First Coding School of SriLanka. It is Teach full stack web development. the full stack web development include HTML,CSS,JS,Moango.DB,Node.JS programming language


nithilan@nithilan-Aspire-E5-411: ~/Desktop/nodejs
(0:40, 78%)
19:39
at FSReqWrap.readFileAfterOpen [as oncomplete] (fs.js:367:13)
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q3.js
^Z
[1]+ Stopped node Q3.js
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q3-1 .js
module.js:478
throw err;
^
Error: Cannot find module '/home/nithilan/Desktop/nodejs/Q3-1'
at Function.Module._resolveFilename (module.js:476:15)
at Function.Module._load (module.js:424:25)
at Module.runMain (module.js:611:10)
at run (bootstrap_node.js:394:7)
at startup (bootstrap_node.js:160:9)
at bootstrap_node.js:507:3
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q3-1 .js
module.js:478
throw err;
^
Error: Cannot find module '/home/nithilan/Desktop/nodejs/Q3-1'
at Function.Module._resolveFilename (module.js:476:15)
at Function.Module._load (module.js:424:25)
at Module.runMain (module.js:611:10)
at run (bootstrap_node.js:394:7)
at startup (bootstrap_node.js:160:9)
at bootstrap_node.js:507:3
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q3-1 .js
module.js:478
throw err;
^
Error: Cannot find module '/home/nithilan/Desktop/nodejs/Q3-1'
at Function.Module._resolveFilename (module.js:476:15)
at Function.Module._load (module.js:424:25)
at Module.runMain (module.js:611:10)
at run (bootstrap_node.js:394:7)
at startup (bootstrap_node.js:160:9)
at bootstrap_node.js:507:3
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$ node Q3new.js
Saved!
nithilan@nithilan-Aspire-E5-411:~/Desktop/nodejs$

3.3 Append another paragraph about Uki and now serve the new file



Project

- nodejs
  - Q1.js
  - Q2.js
  - Q3.js
  - Q3new.js
  - sum.js
  - ukinode.txt
  - ukinode1.txt
  - ukinodejsexercise1.txt

Q1.js | sum.js | Q2.js | ukinode.txt | Q3.js | Q3new.js | ukinodejsexercise1.. | untitled

```
1 var fs = require('fs');
2
3
4 fs.appendFile('ukinodejsexercise1.txt', 'Uki is best place of learing full stack web development. and we study Uki
5   if (err) throw err;
6   console.log('Saved!');
7 });
8
```

Project

- nodejs
  - Q1.js
  - Q2.js
  - Q3.js
  - Q3new.js
  - sum.js
  - ukinode.txt
  - ukinode1.txt
  - ukinodejsexercise1.txt

Q1.js | sum.js | Q2.js | ukinode.txt | Q3.js | Q3new.js | *ukinode1.txt* | untitled

```
1  Uki is best place of learing full stack web development. and we study Uki6 batch.it help to our bright future!
```

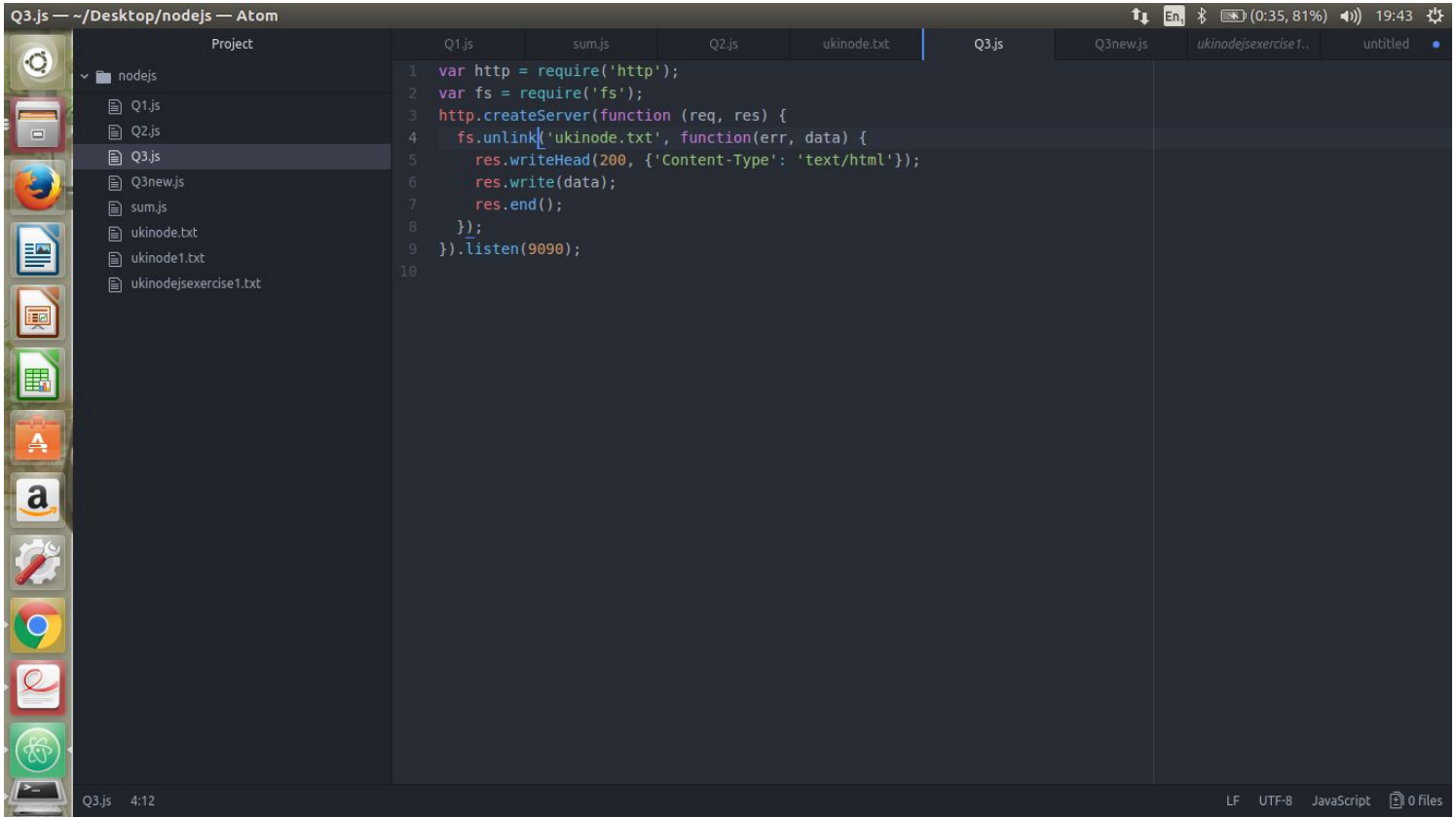
Project

- nodejs
  - Q1.js
  - Q2.js
  - Q3.js
  - Q3new.js
  - sum.js
  - ukinode.txt
  - ukinode1.txt
  - ukinodejsexercise1.txt

Q1.js | sum.js | Q2.js | ukinode.txt | Q3.js | Q3new.js | *ukinodejsexercise1..* | untitled

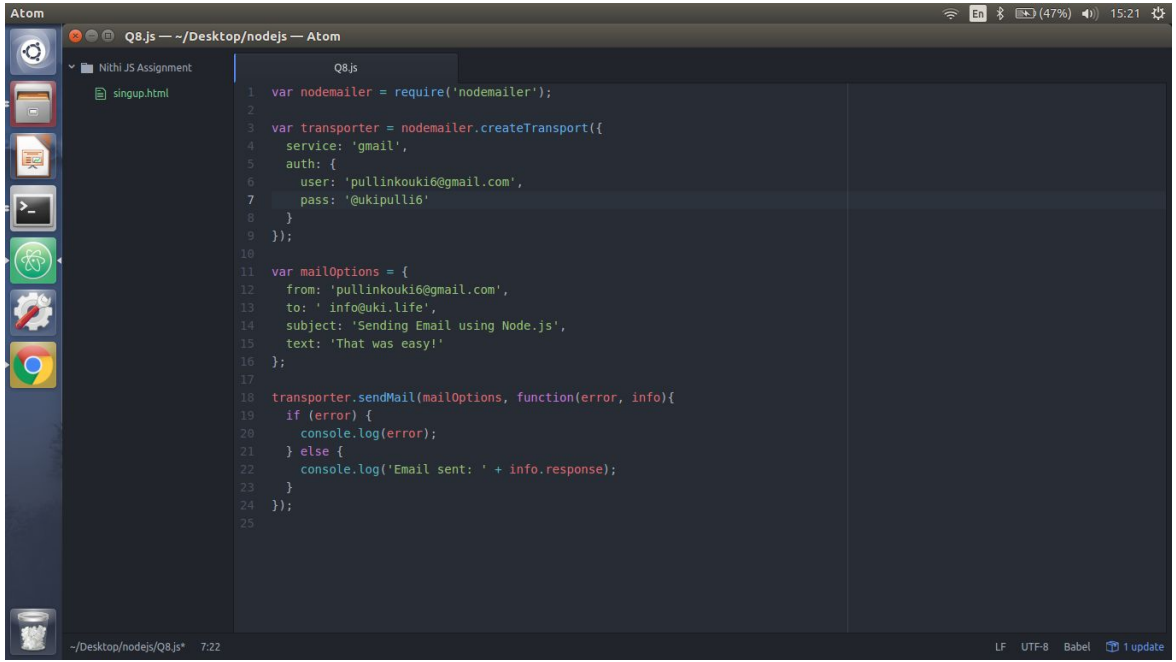
```
1  Uki is best place of learing full stack web development. and we study Uki6 batch.it help to our bright future!
```

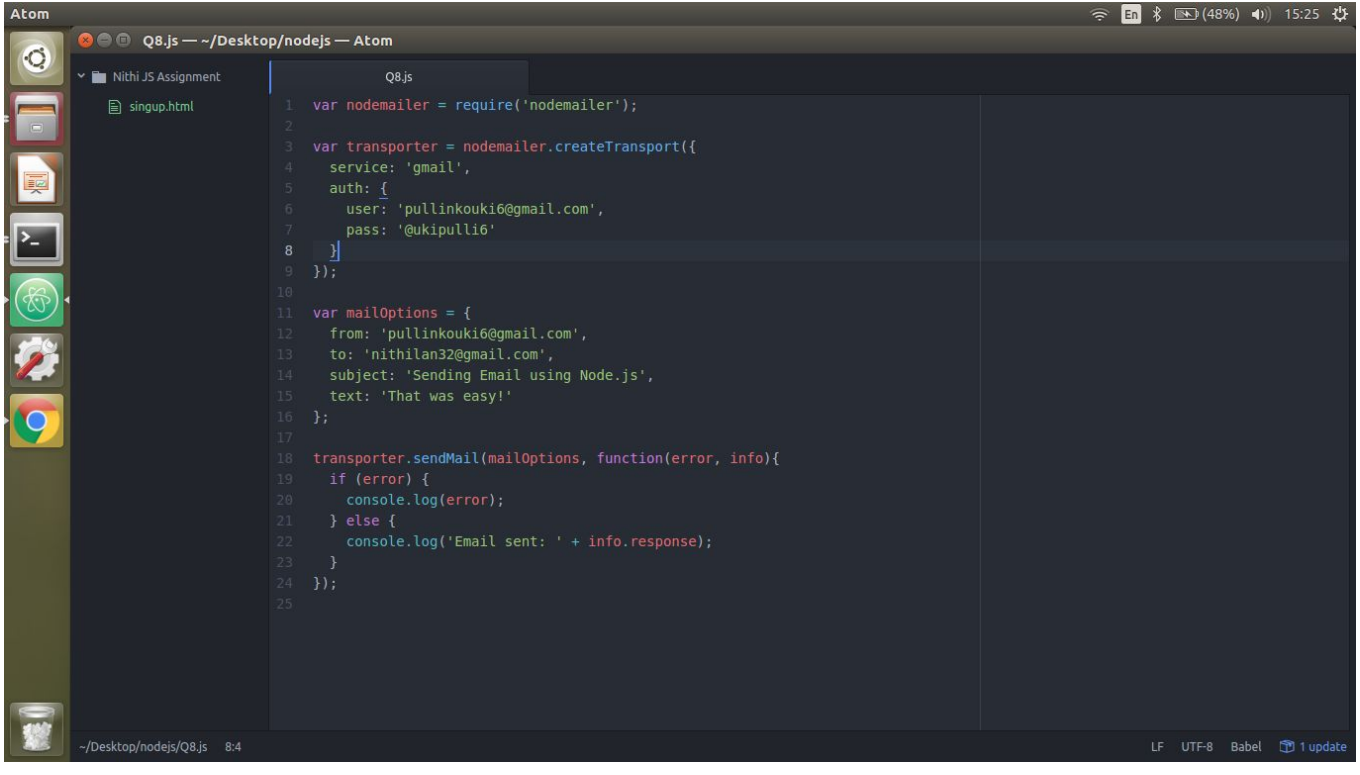
3.5 Delete the file you created



8. Using the Nodemailer module create a server and send a mail to info@uki.life with the subject : “Testing my nodemailer module” , text: “This is easy !”

8.1 Now instead of text send a basic html formatted mail.




Atom
En
(48%)
15:25
Q8.js — ~/Desktop/nodejs — Atom
Nithi JS Assignment
singup.html
Q8.js
1 var nodemailer = require('nodemailer');
2
3 var transporter = nodemailer.createTransport({
4 service: 'gmail',
5 auth: {
6 user: 'pullinkouki6@gmail.com',
7 pass: '@ukipulli6'
8 }
9 });
10
11 var mailOptions = {
12 from: 'pullinkouki6@gmail.com',
13 to: 'nithilan32@gmail.com',
14 subject: 'Sending Email using Node.js',
15 text: 'That was easy!'
16 };
17
18 transporter.sendMail(mailOptions, function(error, info){
19 if (error) {
20 console.log(error);
21 } else {
22 console.log('Email sent: ' + info.response);
23 }
24 });
25
~/Desktop/nodejs/Q8.js 8:4
LF
UTF-8
Babel
1 update