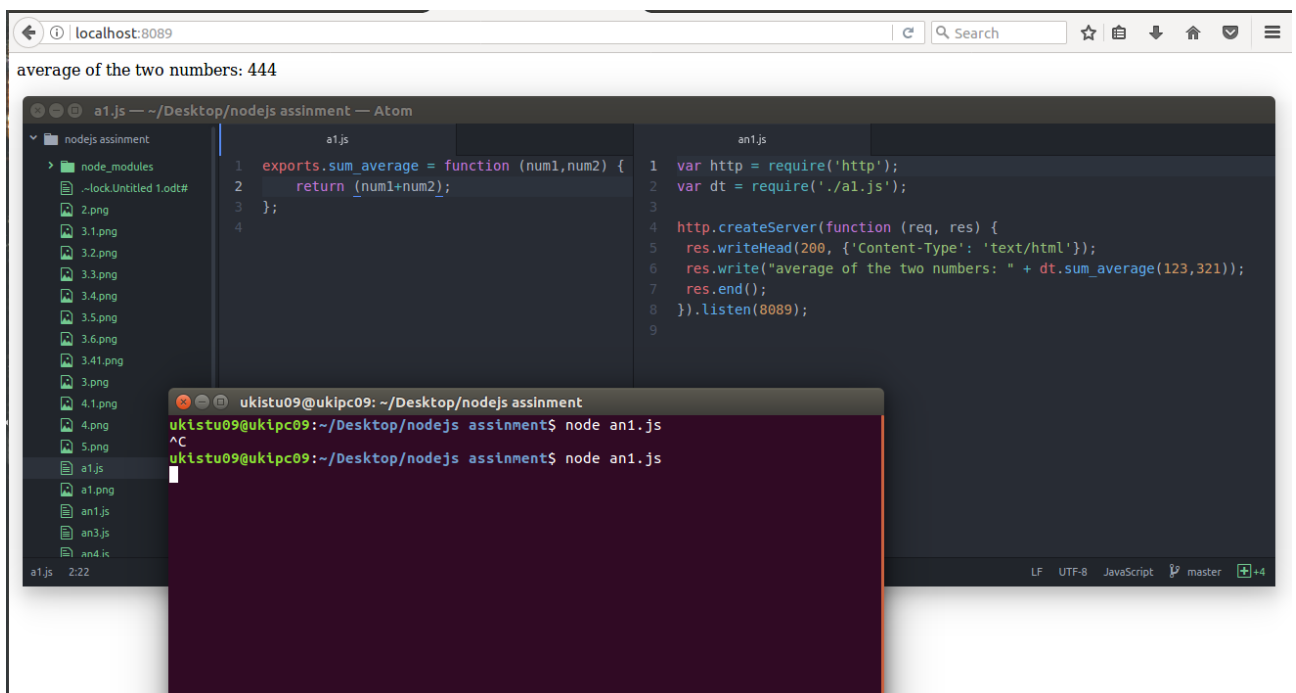
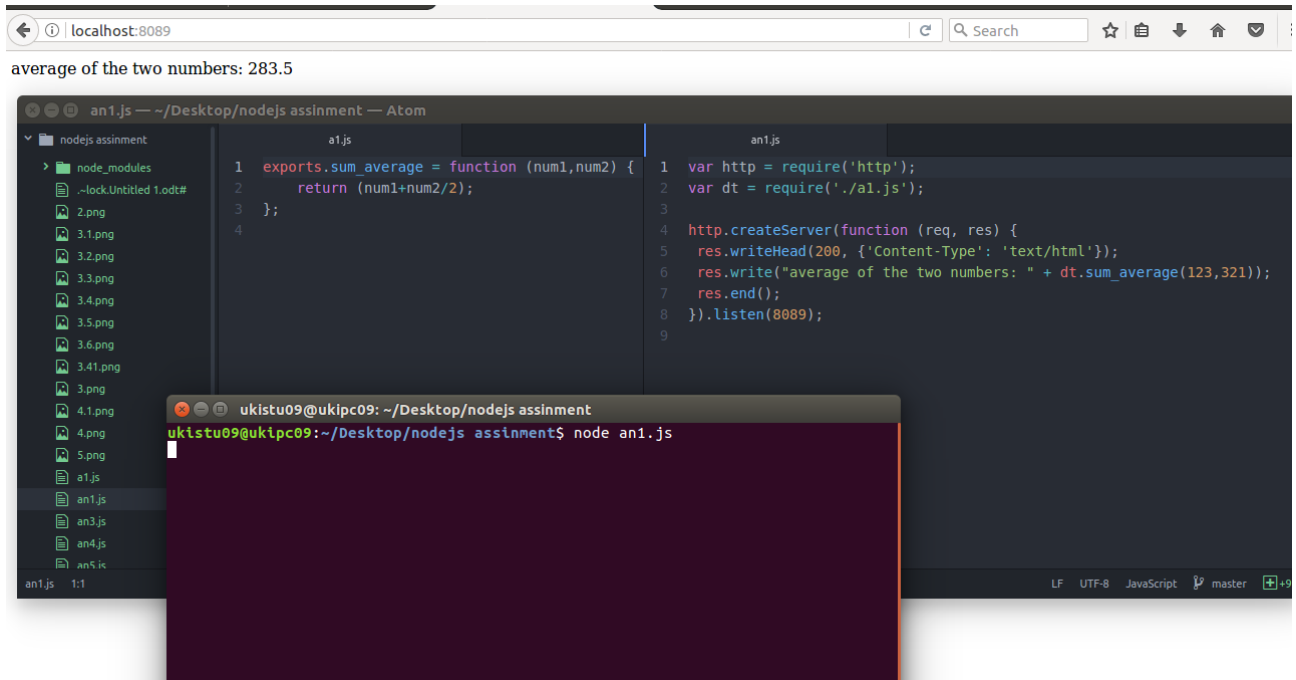
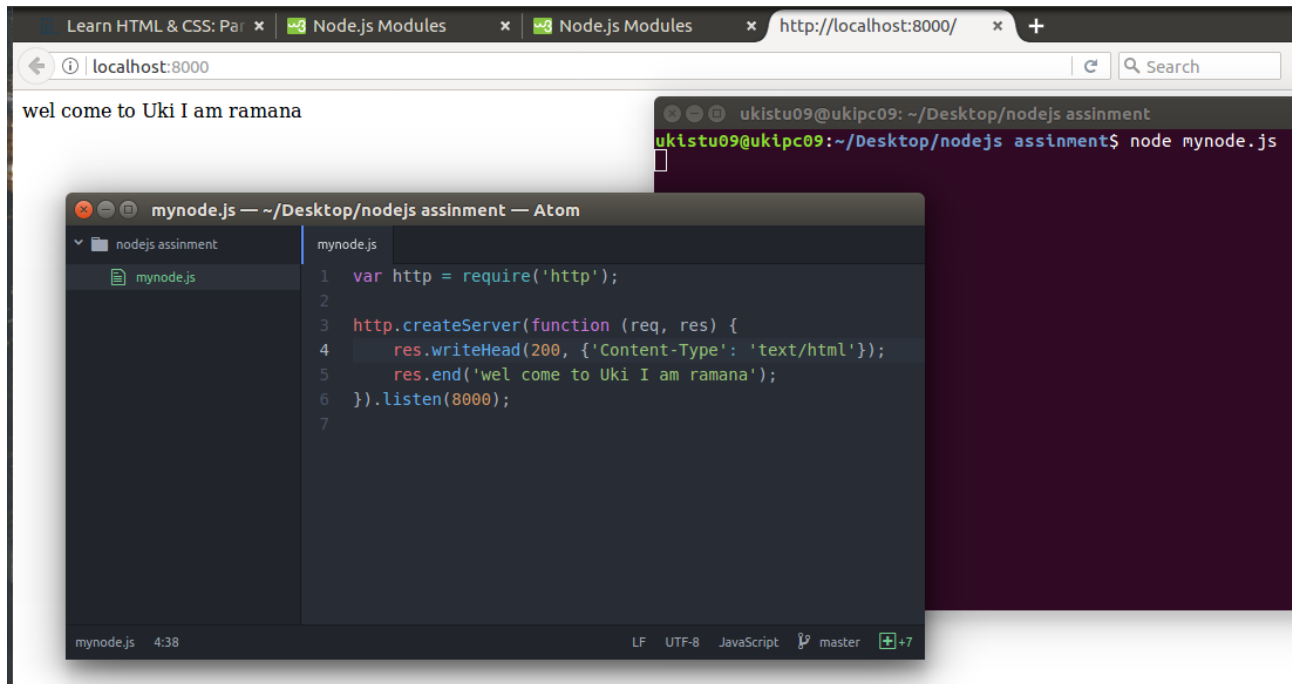


Node.js Exercise 1

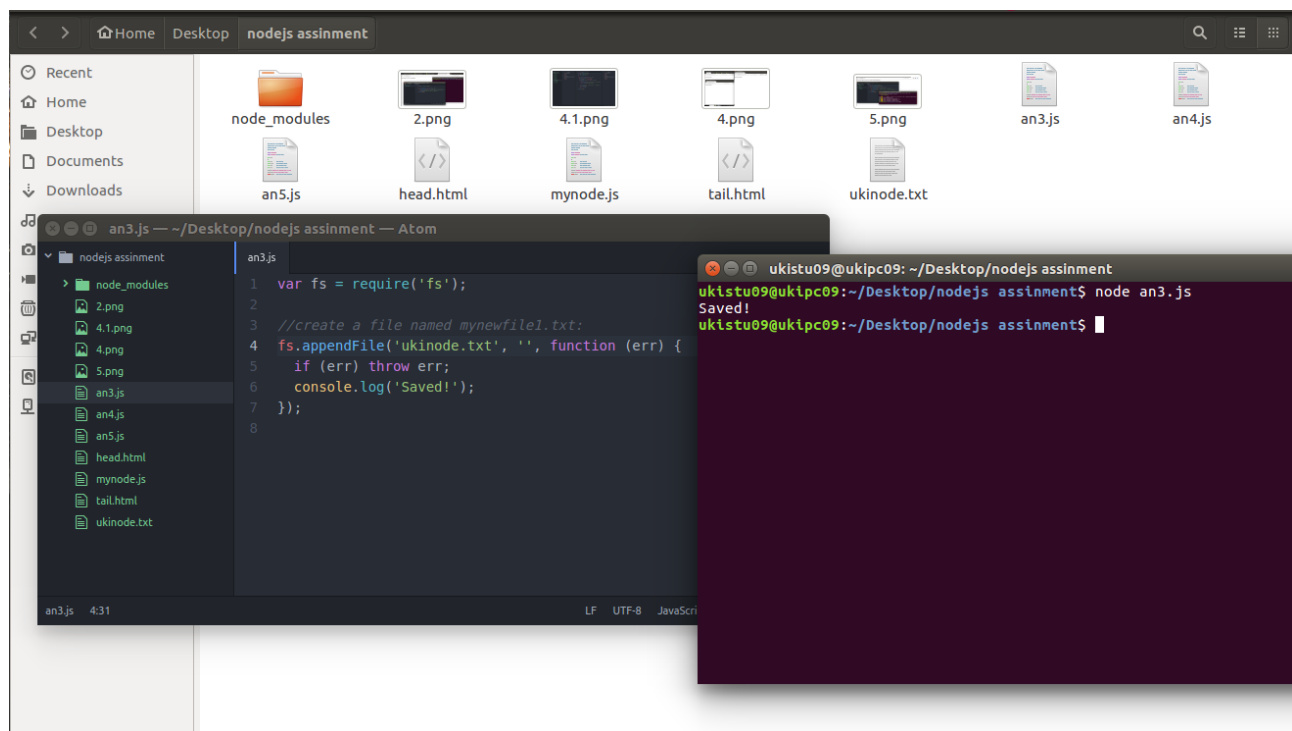
1. Create a custom module which returns the sum and average of any two numbers passed into it. Require the module and run the server by passing 123 and 321 so that the server prints out the sum and average.



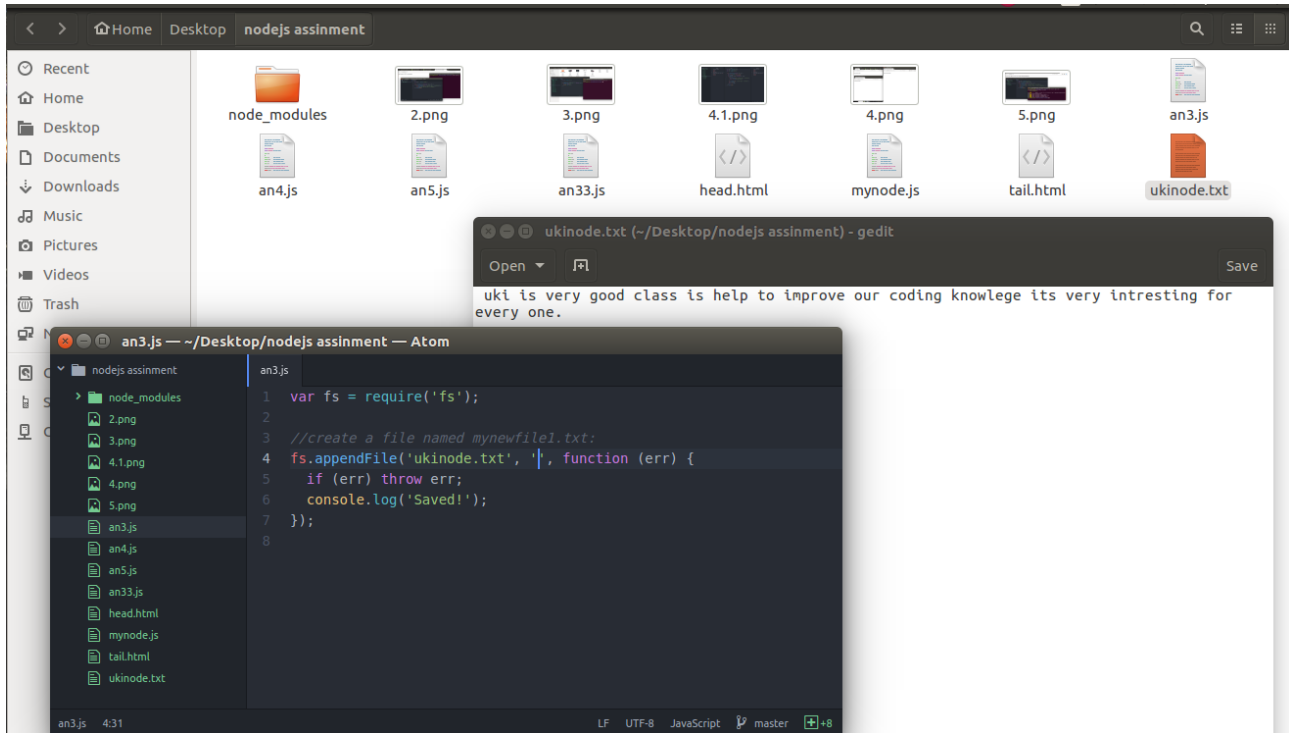
2. Create a simple http server and print “Welcome to Uki. I am yourname ” when a request is sent to your server via the port 8000. (Note - Change different port numbers and check)



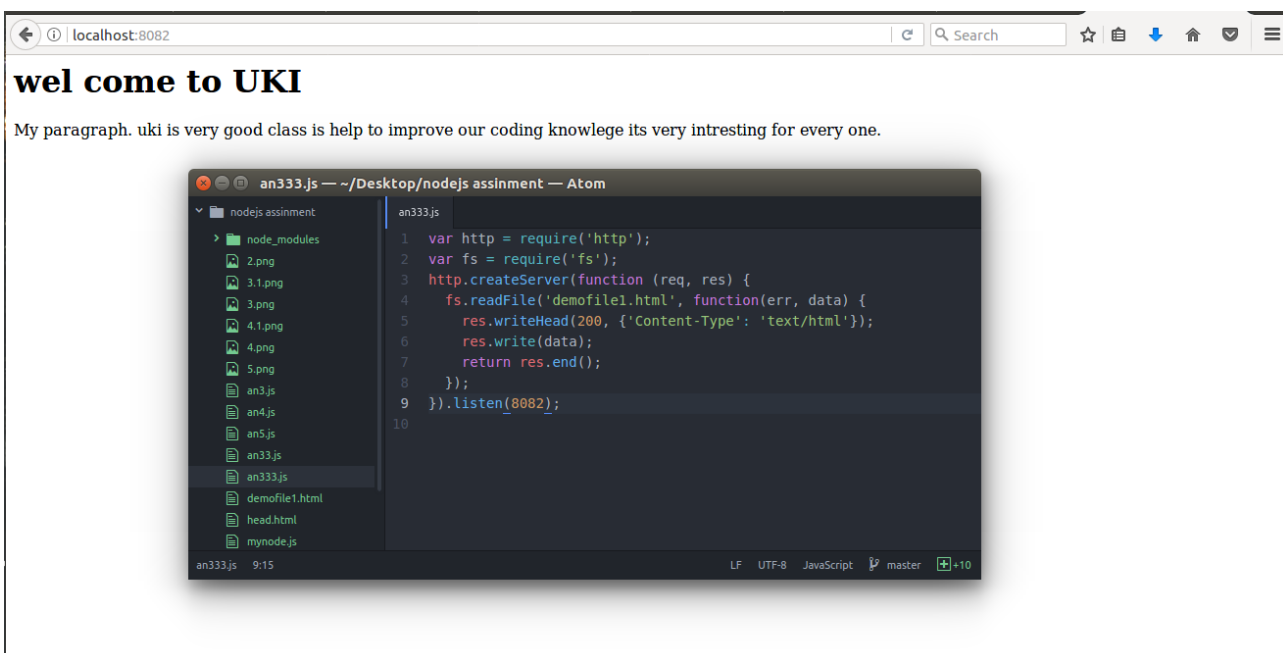
3. Using the file system module create a new file called ukinode.txt



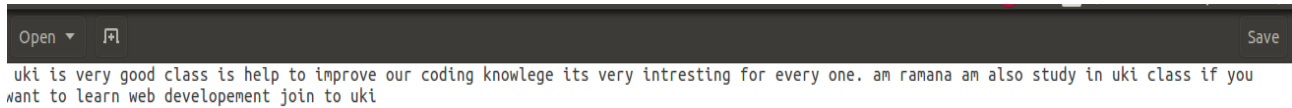
3.1 Write a paragraph about Uki into that file



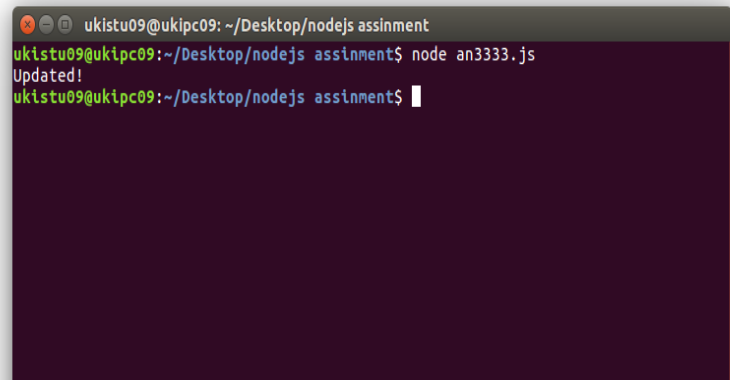
3.2 Serve that file to the client (Read File) over your server



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

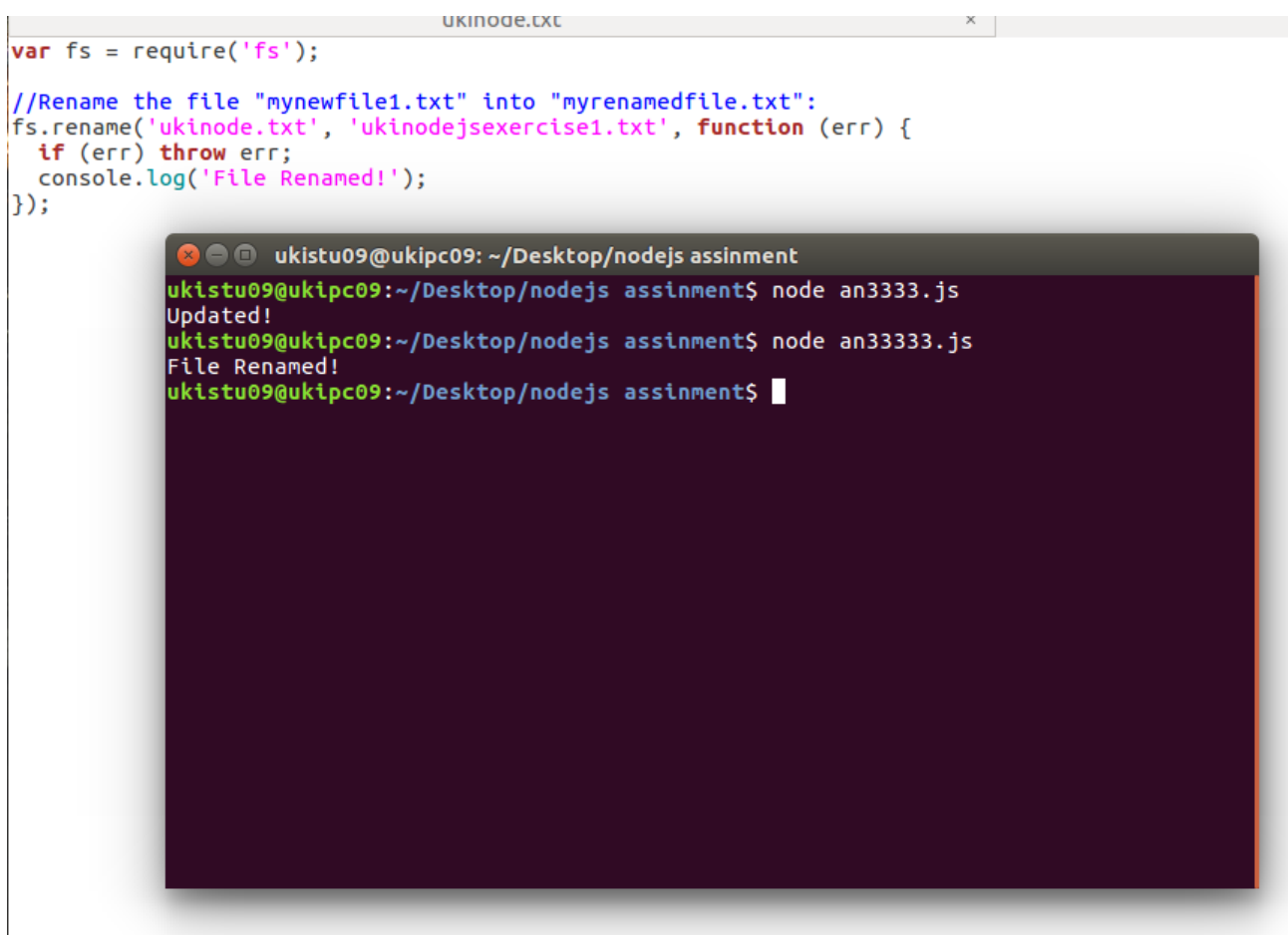


uki is very good class is help to improve our coding knowlege its very intresting for every one. am ramana am also study in uki class if you want to learn web developement join to uki



```
ukistu09@ukipc09: ~/Desktop/nodejs assnment
ukistu09@ukipc09:~/Desktop/nodejs assnment$ node an3333.js
Updated!
ukistu09@ukipc09:~/Desktop/nodejs assnment$
```

3.4 Rename the file as ukinodejsexercise1.txt

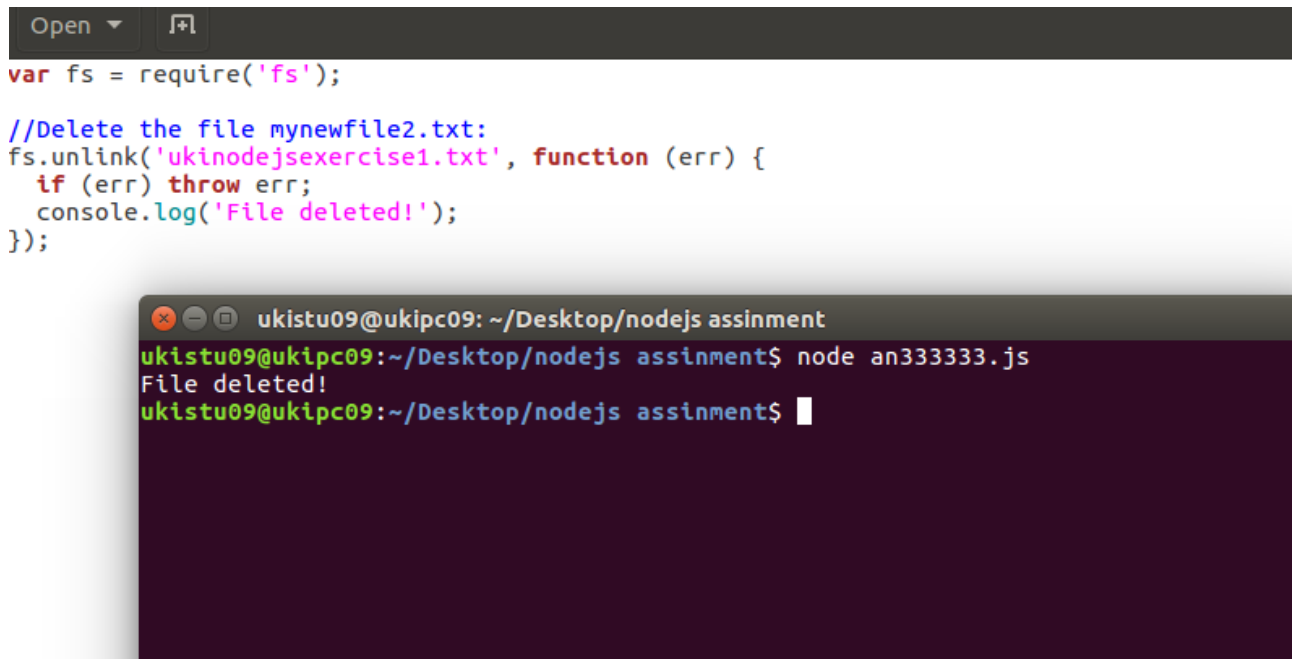


```
ukinode.txt
var fs = require('fs');

//Rename the file "mynewfile1.txt" into "myrenamedfile.txt":
fs.rename('ukinode.txt', 'ukinodejsexercise1.txt', function (err) {
  if (err) throw err;
  console.log('File Renamed!');
});
```

```
ukistu09@ukipc09: ~/Desktop/nodejs assnment
ukistu09@ukipc09:~/Desktop/nodejs assnment$ node an3333.js
Updated!
ukistu09@ukipc09:~/Desktop/nodejs assnment$ node an33333.js
File Renamed!
ukistu09@ukipc09:~/Desktop/nodejs assnment$
```

3.5 Delete the file you created

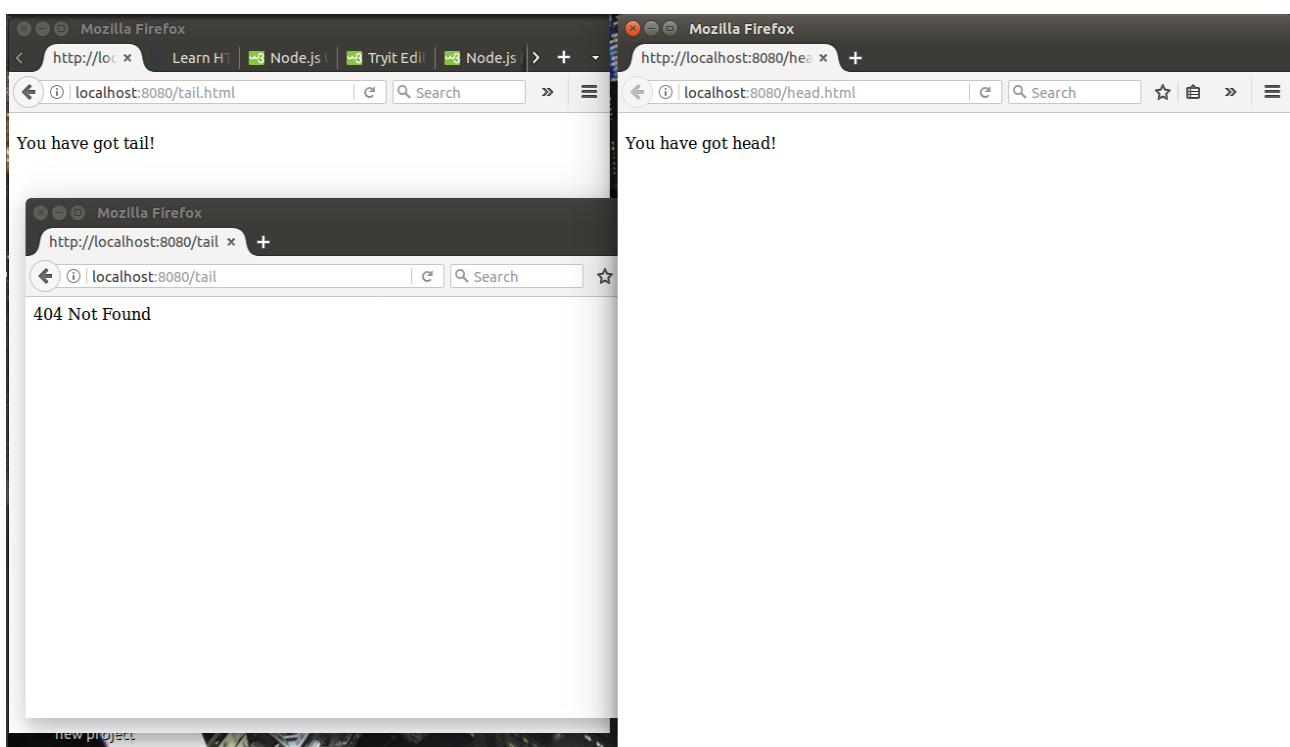


4. Create two html files called head.html which is a web page which says ‘you have got head ‘ and tail.html which is a web page which says ‘you have got tail’ and save them in the same folder as your node.js files. Create a Node.js file that opens the requested file and returns the content to the client. If anything goes wrong, throw a 404 error.

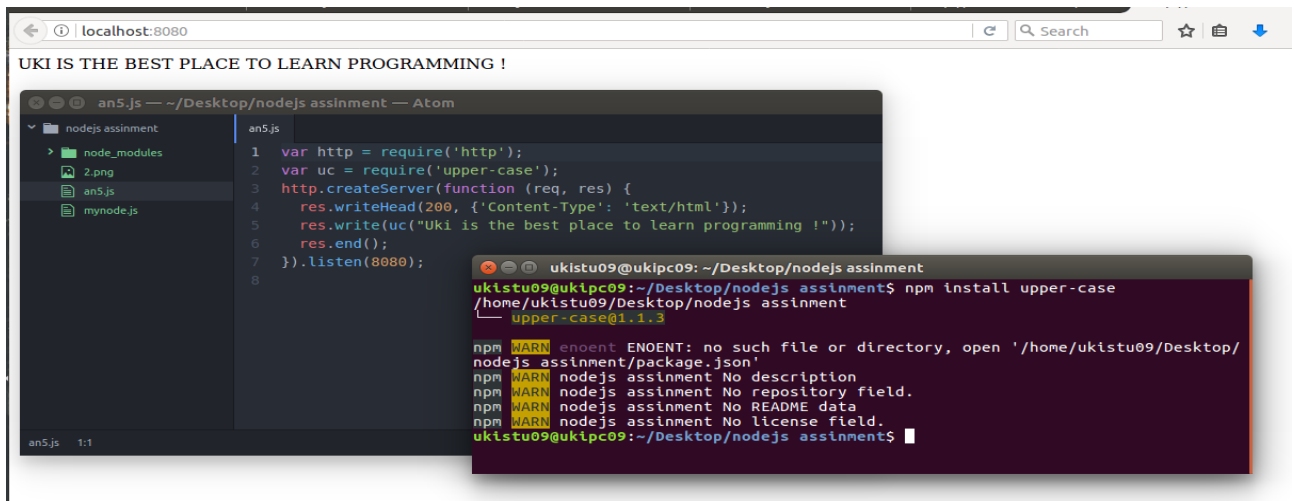
If you have followed the correct steps you should see two different results when opening these two addresses:

<http://localhost:8080/head.html> - > You have got head

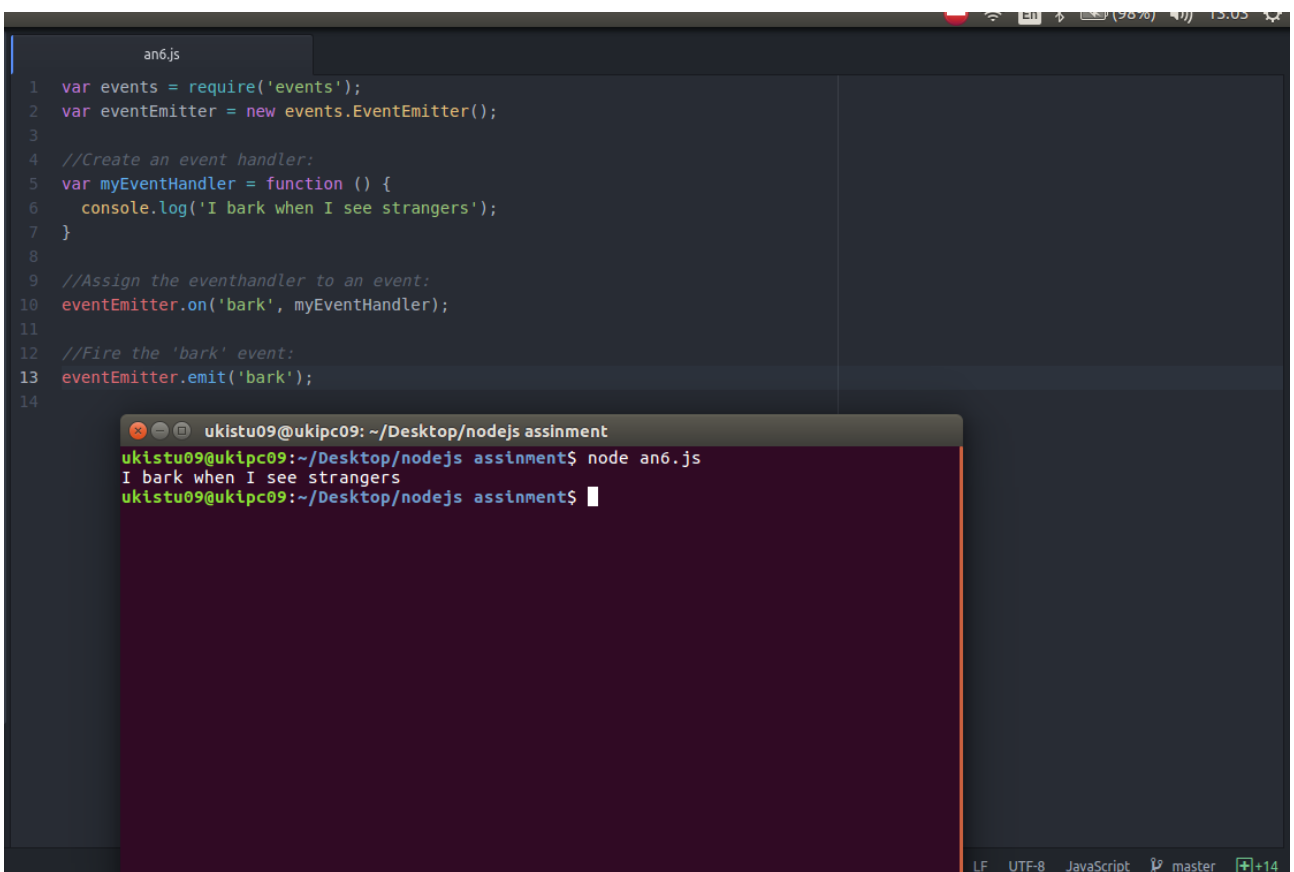
<http://localhost:8080/tail.html> -> You have got tail



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.



6. Create an event handler function that will say “I bark when I see strangers !” when a "bark" event is fired.



7. Install “formidable” module using npm and make a web page in Node.js that lets the user upload files to your computer.

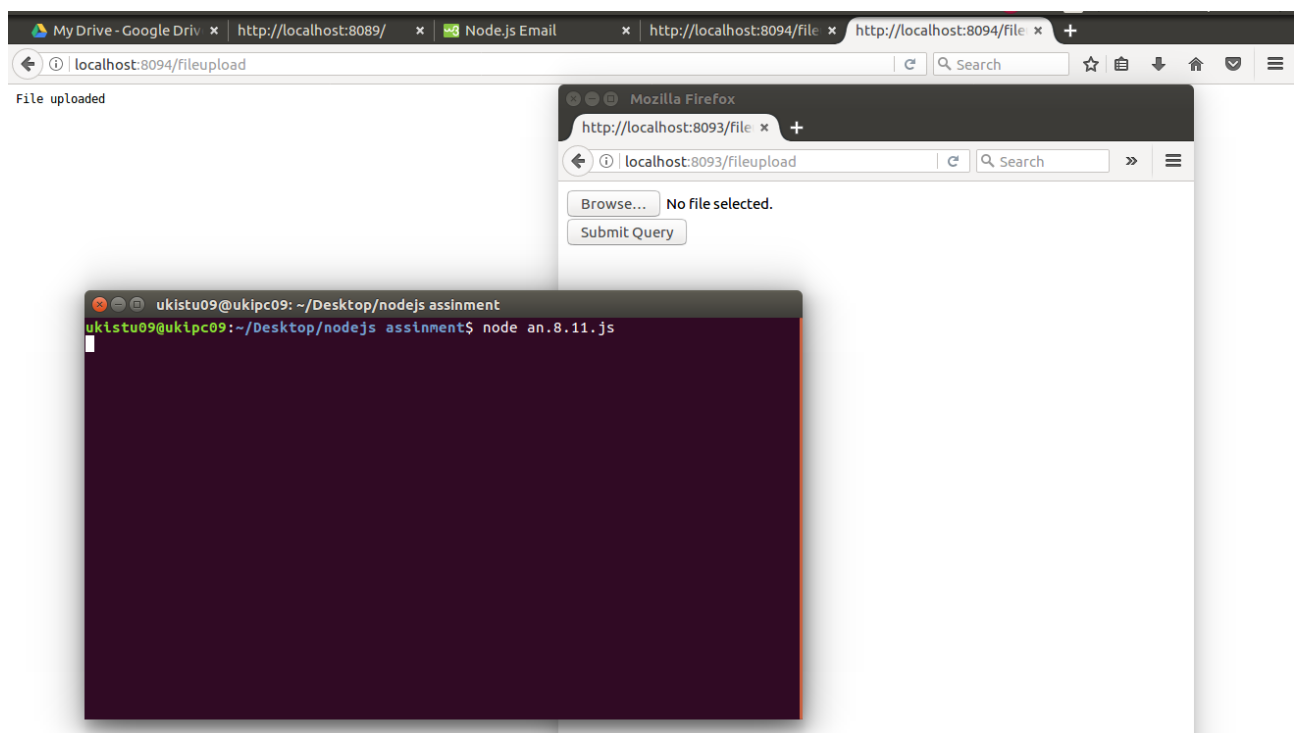
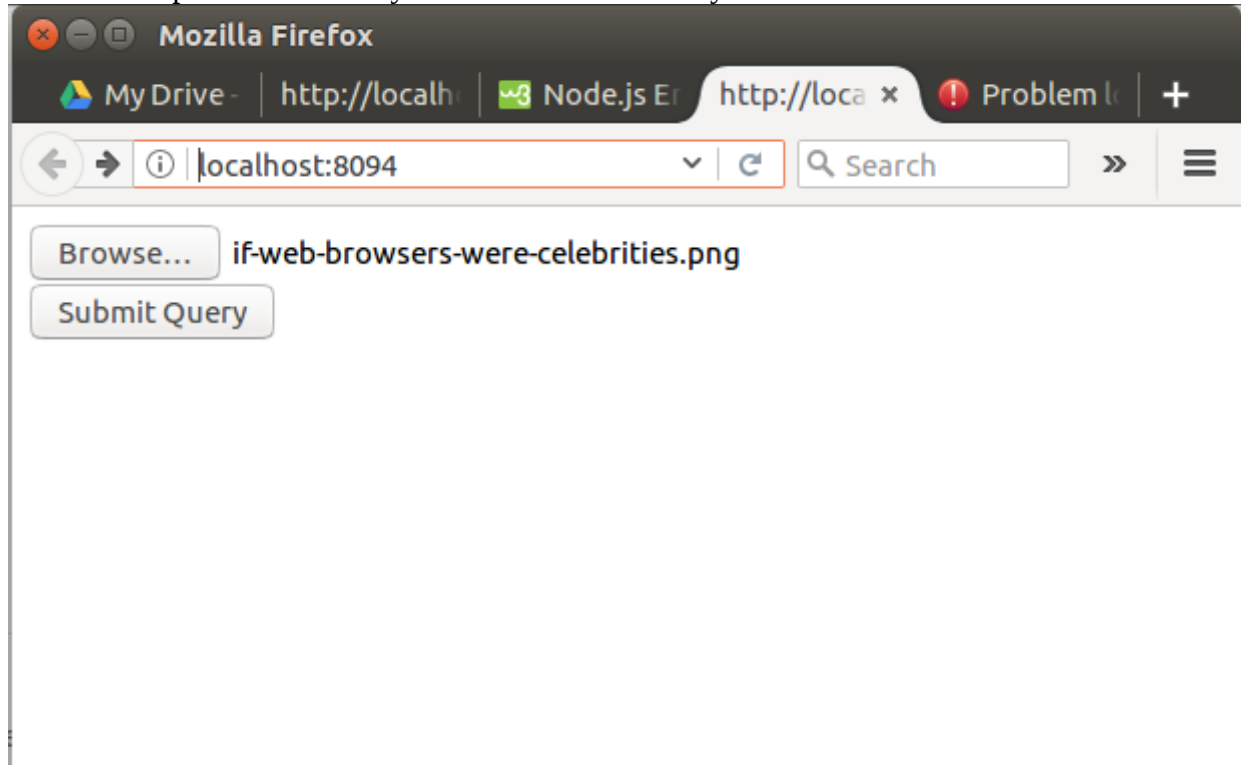
formidable

upper-case

```
ukistu09@ukipc09: ~/Desktop/nodejs assnment
ukistu09@ukipc09:~/Desktop/nodejs assnment$ npm install formidable
/home/ukistu09/Desktop/nodejs assnment
└─ formidable@1.1.1

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu09/Desktop/
nodejs assnment/package.json'
npm WARN nodejs assnment No description
npm WARN nodejs assnment No repository field.
npm WARN nodejs assnment No README data
npm WARN nodejs assnment No license field.
ukistu09@ukipc09:~/Desktop/nodejs assnment$
```

7.1 Save that uploaded file into your Documents directory.



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 !”

```
an9.js
1 var nodemailer = require('nodemailer');
2
3 var transporter = nodemailer.createTransport({
4   service: 'gmail',
5   auth: {
6     user: 'ramanakarasarma@gmail.com',
7     pass: '0770765700+'
8   }
9 });
10
11 var mailOptions = {
12   from: 'ramanakarasarma@gmailcom',
13   to: 'info@uki.life',
14   subject: 'Testing my nodemailer module',
15   text: 'This is easy ! I think its very nice!'
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
```

```
ukistu09@ukipc09: ~/Desktop/nodejs assinnment
ukistu09@ukipc09:~/Desktop/nodejs assinnment$ node an9.js
{ Error: connect ENETUNREACH 2404:6800:4003:c00::6c:465
  at Object.exports._errnoException (util.js:1018:11)
  at exports._exceptionWithHostPort (util.js:1041:20)
  at TCPConnectWrap.afterConnect [as oncomplete] (net.js:1086:11)
  code: 'ECONNECTION',
  errno: 'ENETUNREACH',
  syscall: 'connect',
  address: '2404:6800:4003:c00::6c',
  port: 465,
  command: 'CONN' }
ukistu09@ukipc09:~/Desktop/nodejs assinnment$
```

LF UTF-8 JavaScript master +25

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

```
1  var nodemailer = require('nodemailer');
2
3  var transporter = nodemailer.createTransport({
4    service: 'gmail',
5    auth: {
6      user: 'ramanakarasarma@gmail.com',
7      pass: '*****'
8    }
9  });
10
11 var mailOptions = {
12   from: 'ramanakarasarma@gmailmcom',
13   to: 'info@uki.life',
14   subject: 'Testing my nodemailer module',
15   text: html: '<h1>Welcome</h1><p>That was easy!</p>'
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 });
```