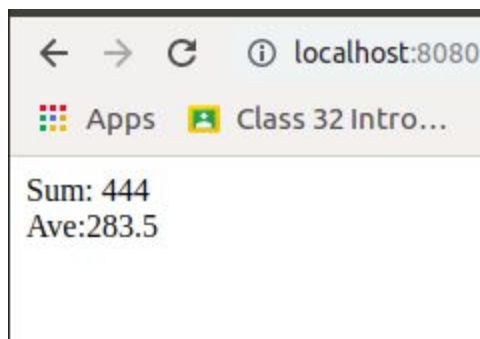


1)

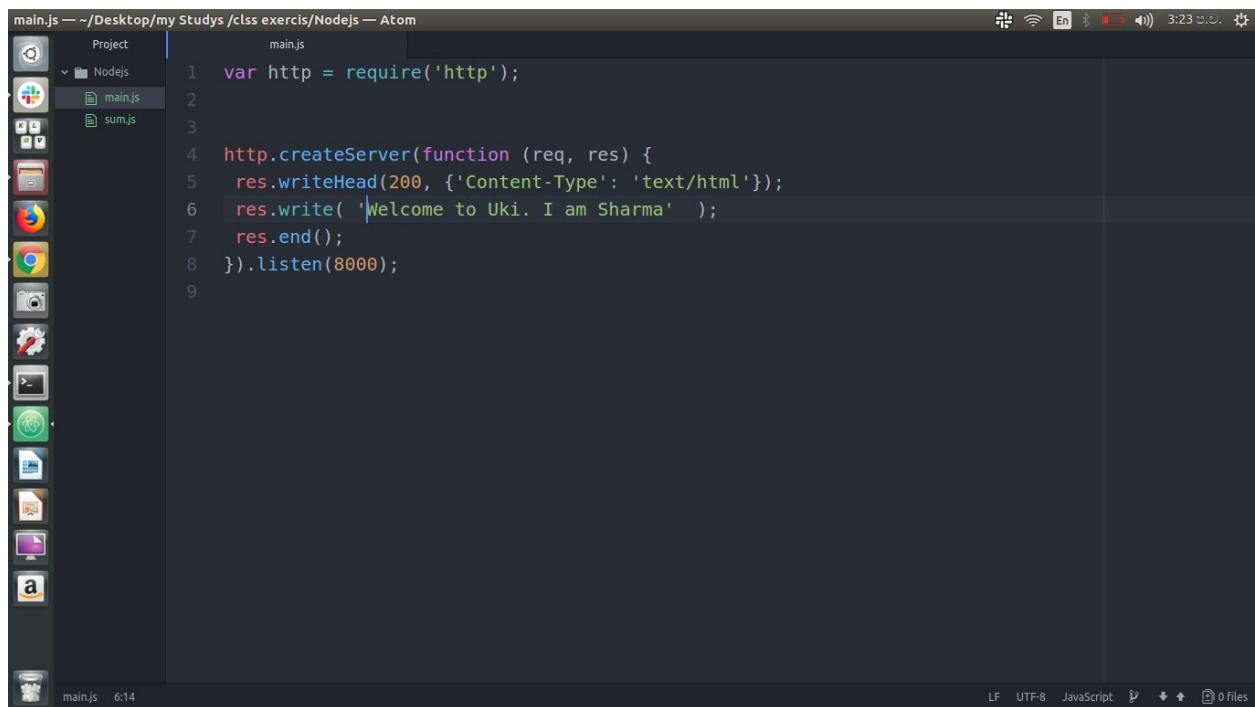
```
main.js
1 var http = require('http');
2 var dt = require('./sum');
3
4 http.createServer(function (req, res) {
5   res.writeHead(200, {'Content-Type': 'text/html'});
6   res.write("Sum: " + dt.sum()+"<br>"+"Ave:" +dt.avg());
7   res.end();
8 }).listen(8080);
9
```

```
sum.js
1 exports.avg= function (x,y) {
2   var x=123;
3   var y=321;
4   return x+y/2;
5 };
6
7 exports.sum= function (x,y) {
8   var x=123;
9   var y=321;
10  return x+y;
11 };
12
```

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
at Function.Module.runMain (module.js:442:10)
at startup (node.js:136:18)
at node.js:966:3
[nodemon] app crashed - waiting for file changes before starting...
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
```



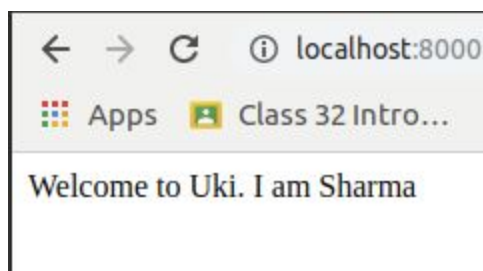
2)

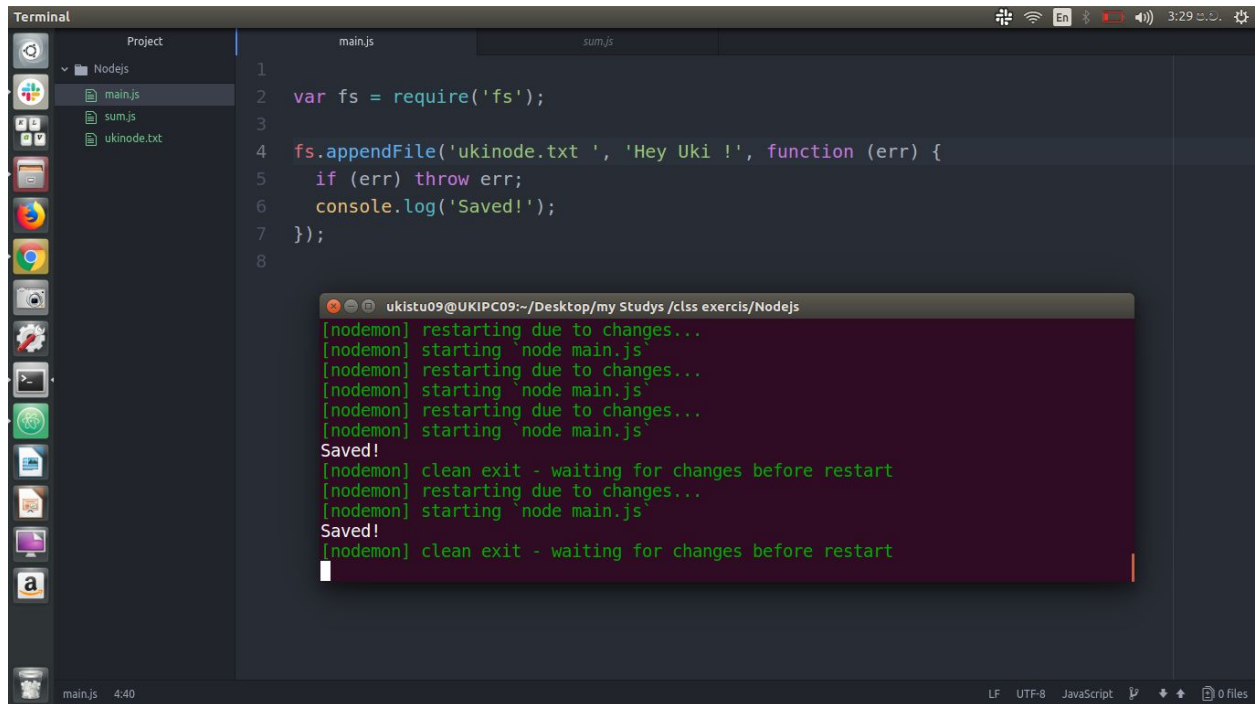


The screenshot shows the Atom code editor with a project named 'Nodejs' open. The file 'main.js' is selected in the project sidebar. The code in 'main.js' is as follows:

```
1 var http = require('http');
2
3
4 http.createServer(function (req, res) {
5   res.writeHead(200, {'Content-Type': 'text/html'});
6   res.write( 'Welcome to Uki. I am Sharma' );
7   res.end();
8 }).listen(8000);
9
```

The status bar at the bottom indicates the file is 'main.js', the time is '6:14', and the encoding is 'UTF-8'.

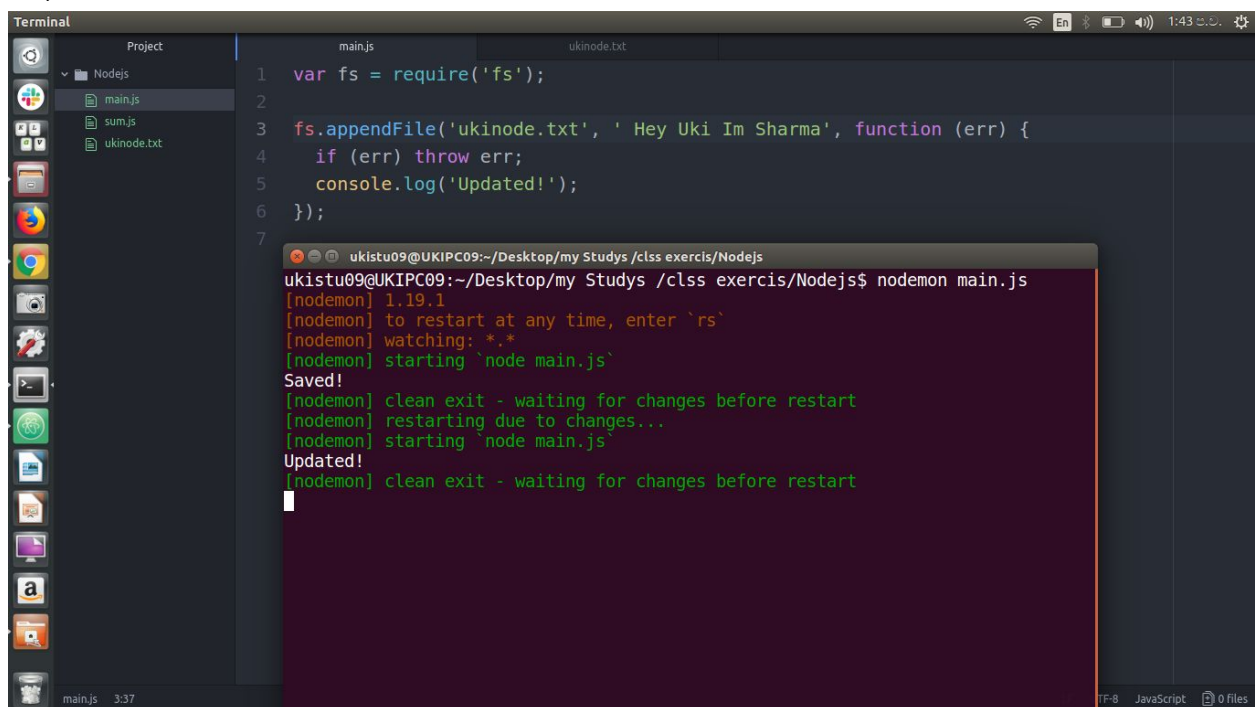




```
1 var fs = require('fs');
2
3
4 fs.appendFile('ukinode.txt ', 'Hey Uki !', function (err) {
5   if (err) throw err;
6   console.log('Saved!');
7 });
8
```

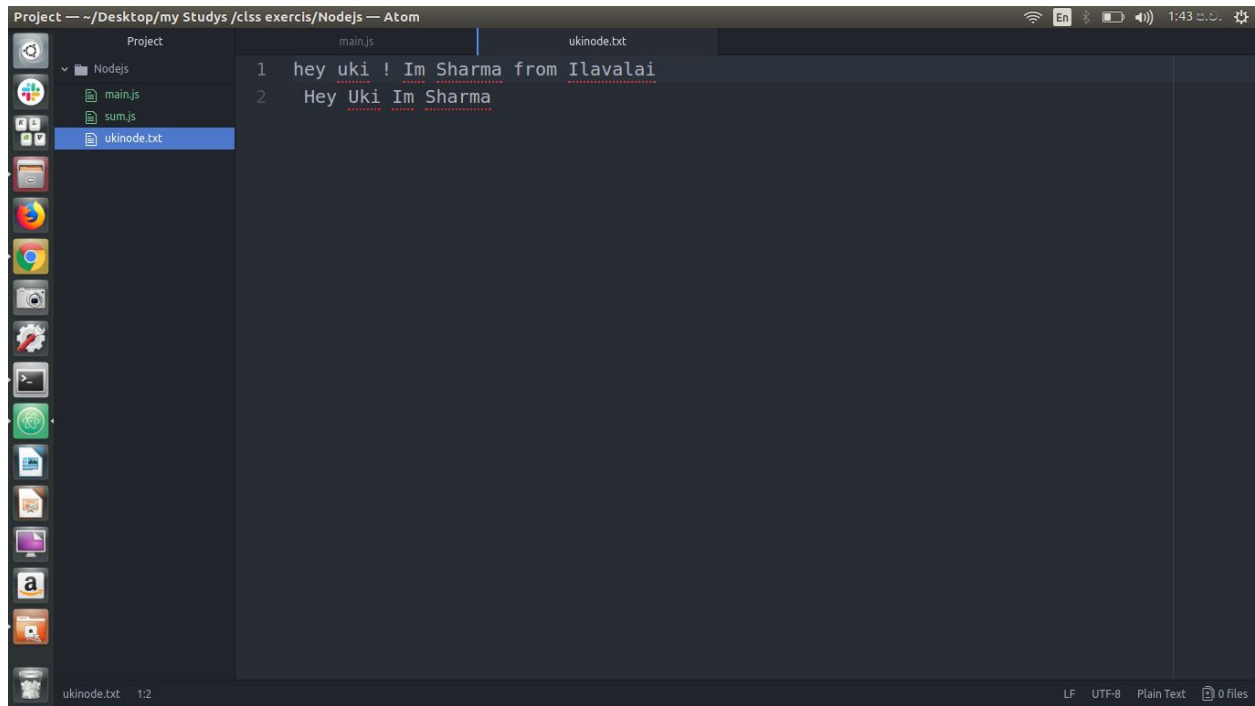
```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
```

3.1)



```
1 var fs = require('fs');
2
3 fs.appendFile('ukinode.txt', ' Hey Uki Im Sharma', function (err) {
4   if (err) throw err;
5   console.log('Updated!');
6 });
7
```

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs$ nodemon main.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Updated!
[nodemon] clean exit - waiting for changes before restart
```

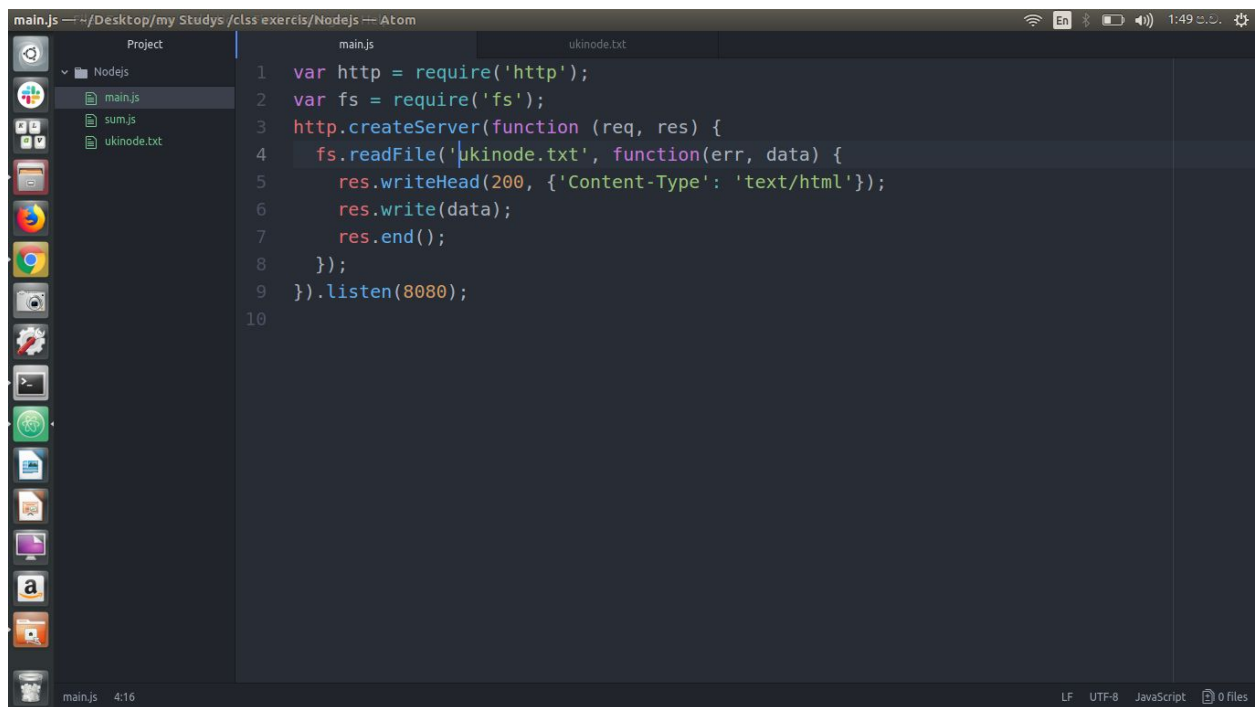


The screenshot shows the Atom editor interface. The left sidebar displays a project tree with files `main.js`, `sum.js`, and `ukinode.txt`. The `ukinode.txt` file is selected and its content is displayed in the main editor area. The content of `ukinode.txt` is:

```
1 hey uki ! Im Sharma from Ilavalai
2 Hey Uki Im Sharma
```

The status bar at the bottom indicates the file is `ukinode.txt`, line 1:2, using LF line endings, UTF-8 encoding, and Plain Text format.

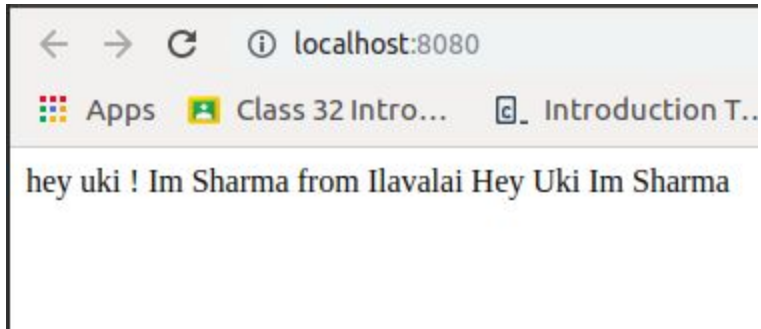
3.2)



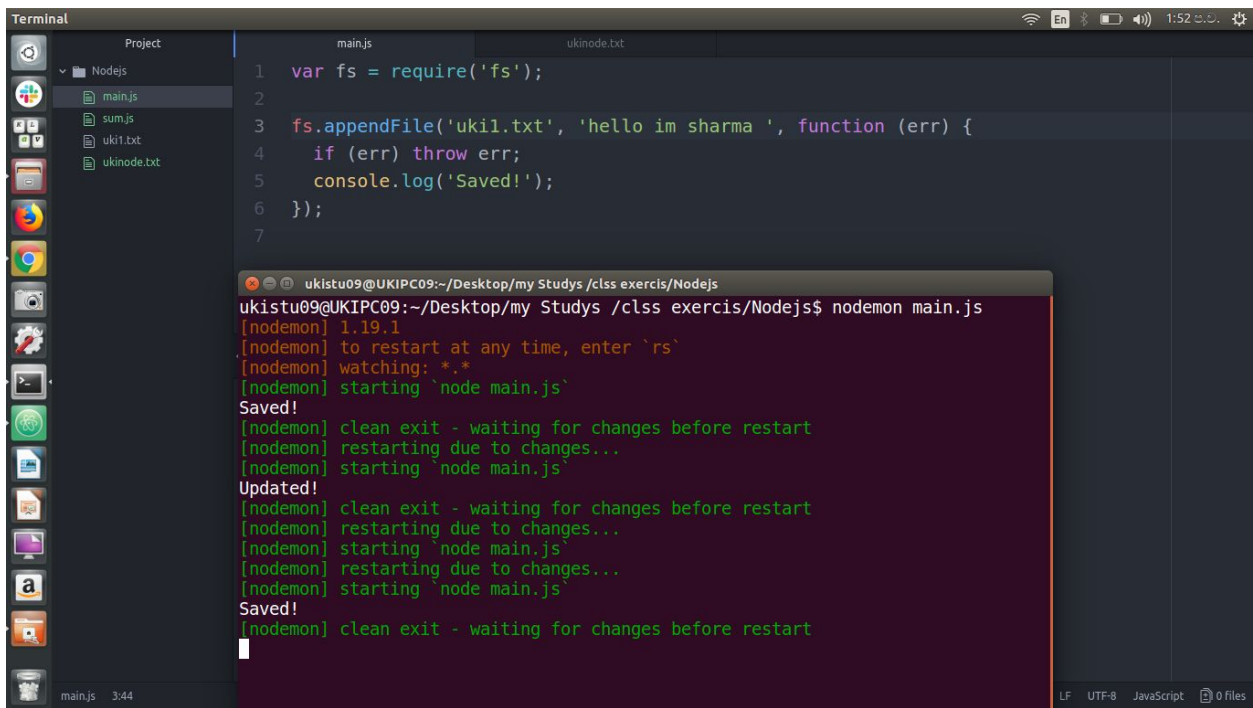
The screenshot shows the Atom editor interface. The left sidebar displays a project tree with files `main.js`, `sum.js`, and `ukinode.txt`. The `main.js` file is selected and its content is displayed in the main editor area. The content of `main.js` is:

```
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(8080);
10
```

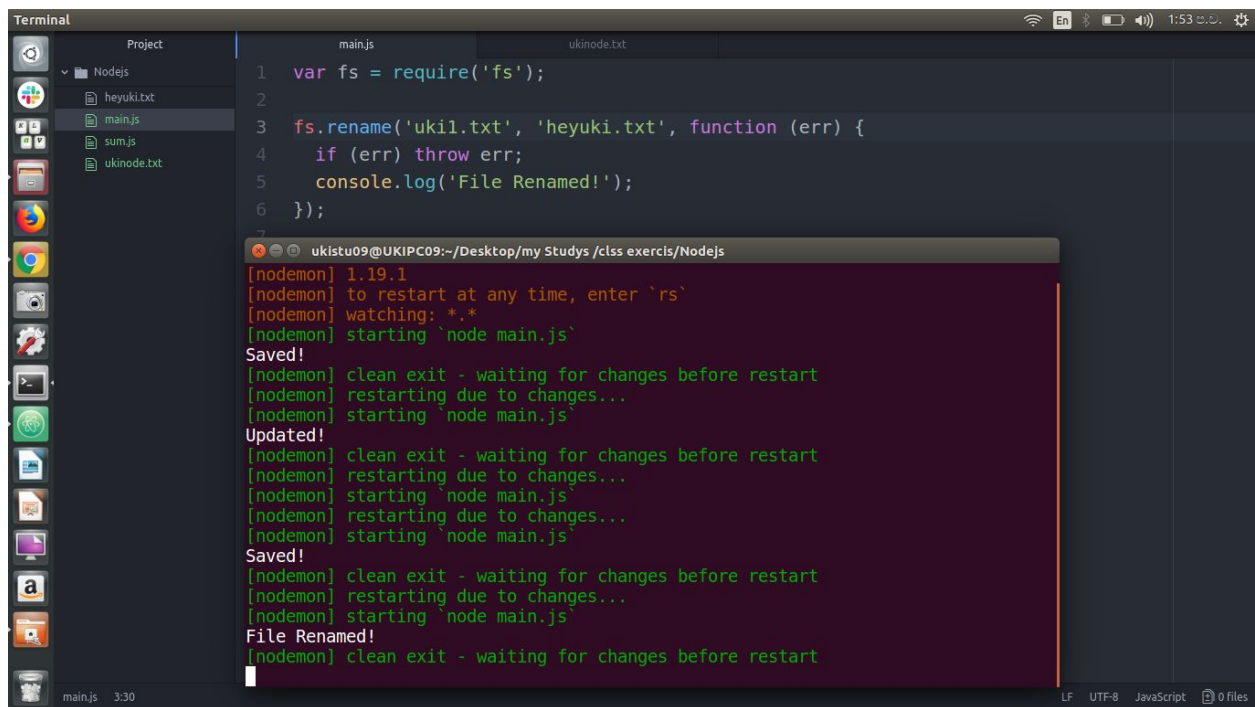
The status bar at the bottom indicates the file is `main.js`, line 4:16, using LF line endings, UTF-8 encoding, and JavaScript format.



3.3)



3.4)



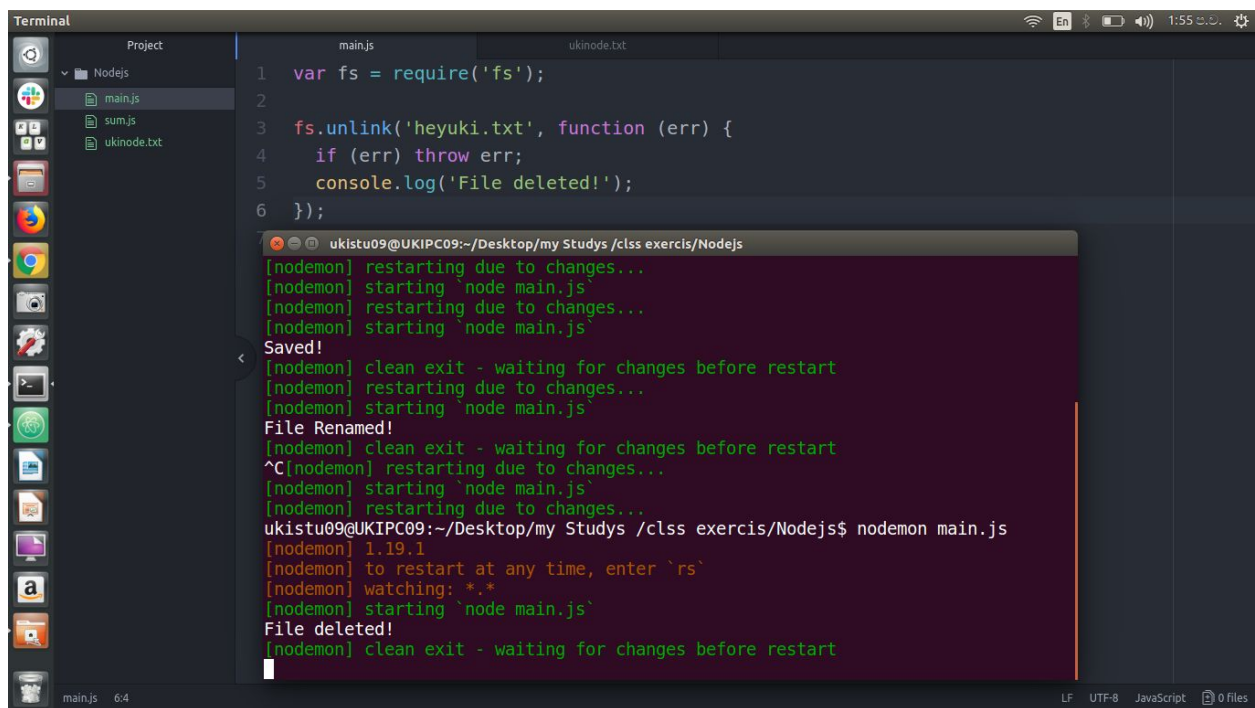
The screenshot shows a code editor with a project named 'Nodejs' containing files 'heyuki.txt', 'main.js', 'sum.js', and 'ukinode.txt'. The 'main.js' file is open, showing the following code:

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

Below the code editor, a terminal window shows the output of running 'nodemon main.js'. The terminal output is as follows:

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Updated!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
File Renamed!
[nodemon] clean exit - waiting for changes before restart
```

3.5)



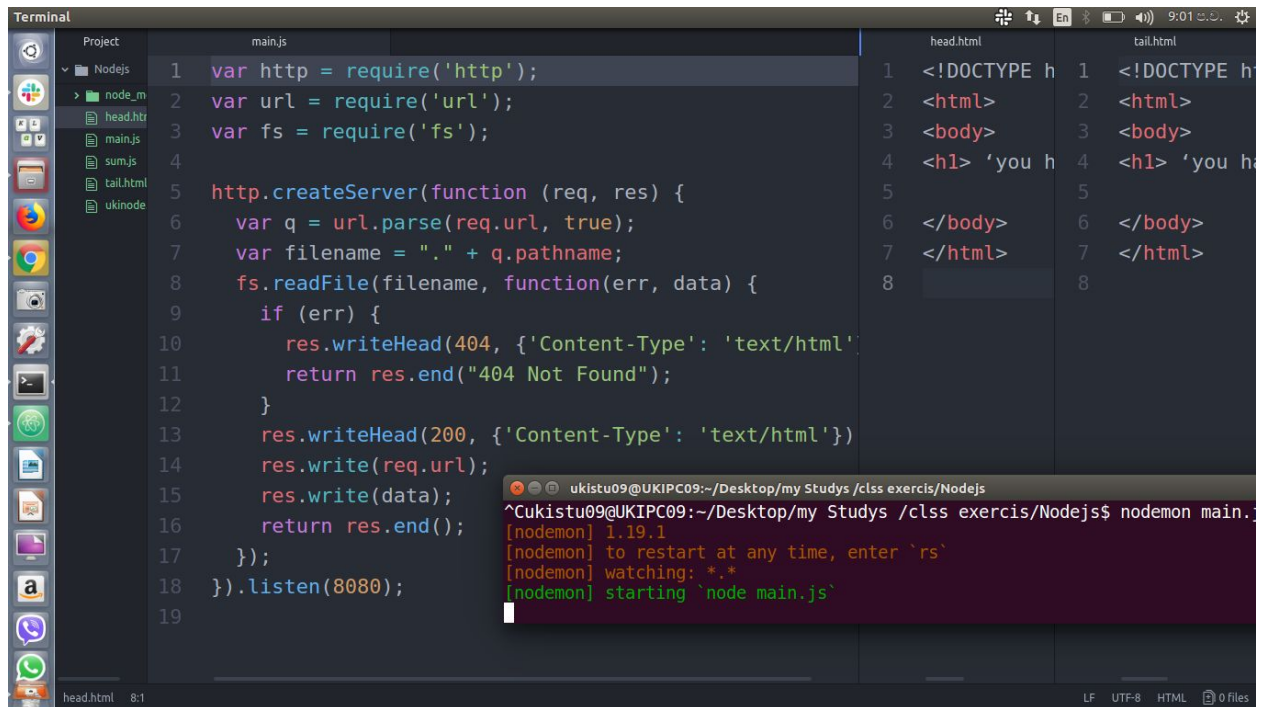
The screenshot shows a code editor with a project named 'Nodejs' containing files 'main.js', 'sum.js', and 'ukinode.txt'. The 'main.js' file is open, showing the following code:

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

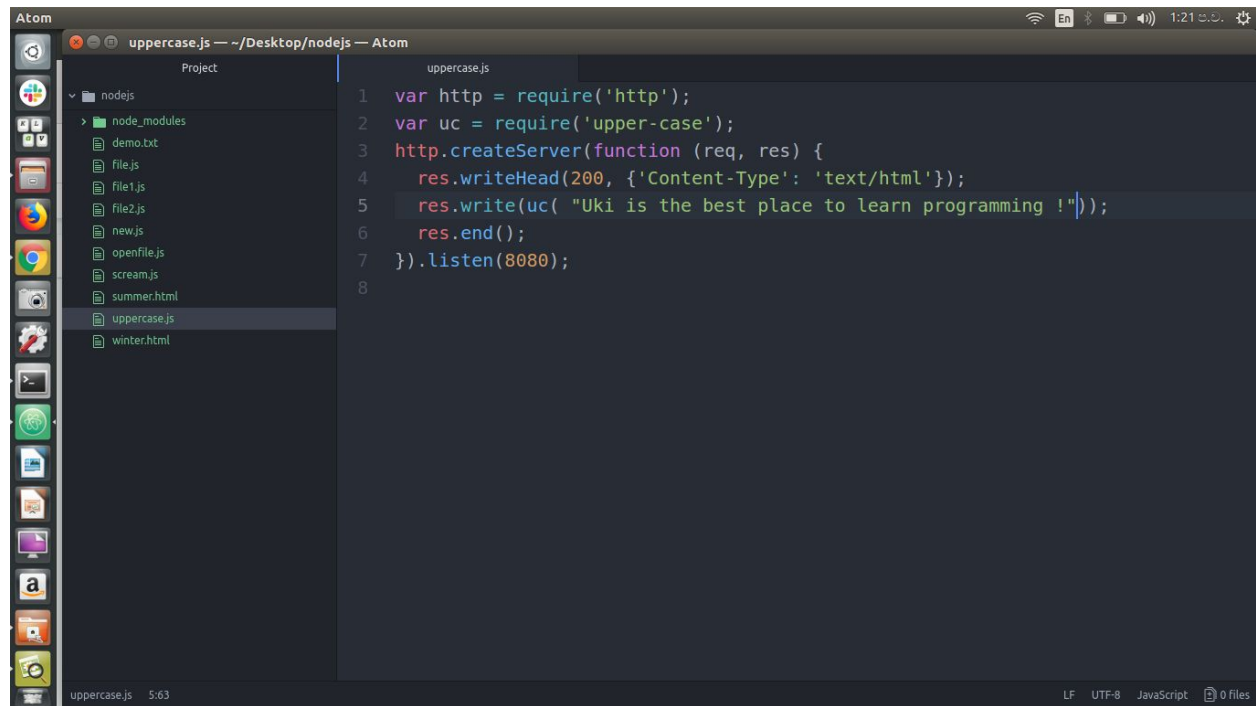
Below the code editor, a terminal window shows the output of running 'nodemon main.js'. The terminal output is as follows:

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
Saved!
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
File Renamed!
[nodemon] clean exit - waiting for changes before restart
^C[nodemon] restarting due to changes...
[nodemon] starting `node main.js`
[nodemon] restarting due to changes...
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs$ nodemon main.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node main.js`
File deleted!
[nodemon] clean exit - waiting for changes before restart
```

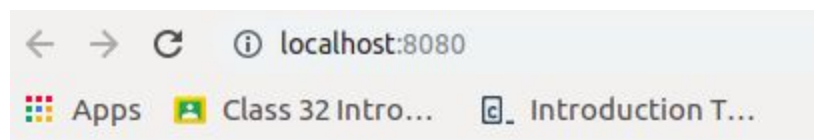
4)



5)

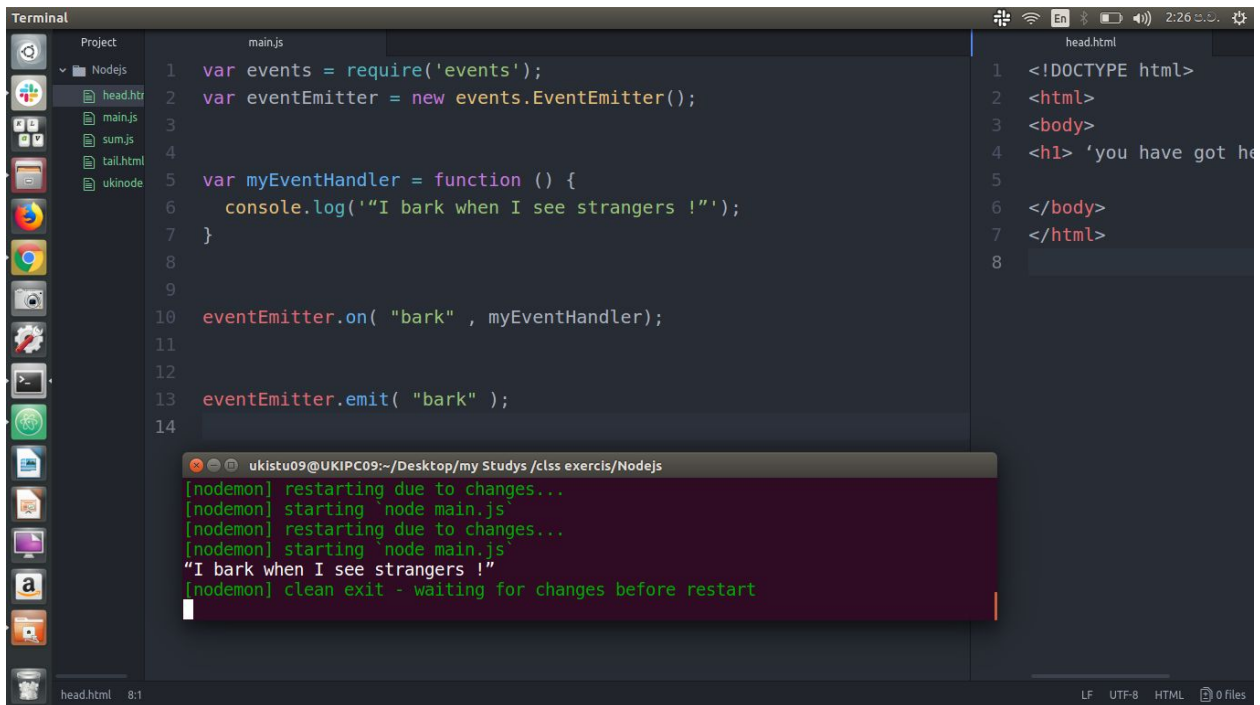


```
1 var http = require('http');
2 var uc = require('upper-case');
3 http.createServer(function (req, res) {
4   res.writeHead(200, {'Content-Type': 'text/html'});
5   res.write(uc( "Uki is the best place to learn programming !" ));
6   res.end();
7 }).listen(8080);
8
```



UKI IS THE BEST PLACE TO LEARN PROGRAMMING !

6)

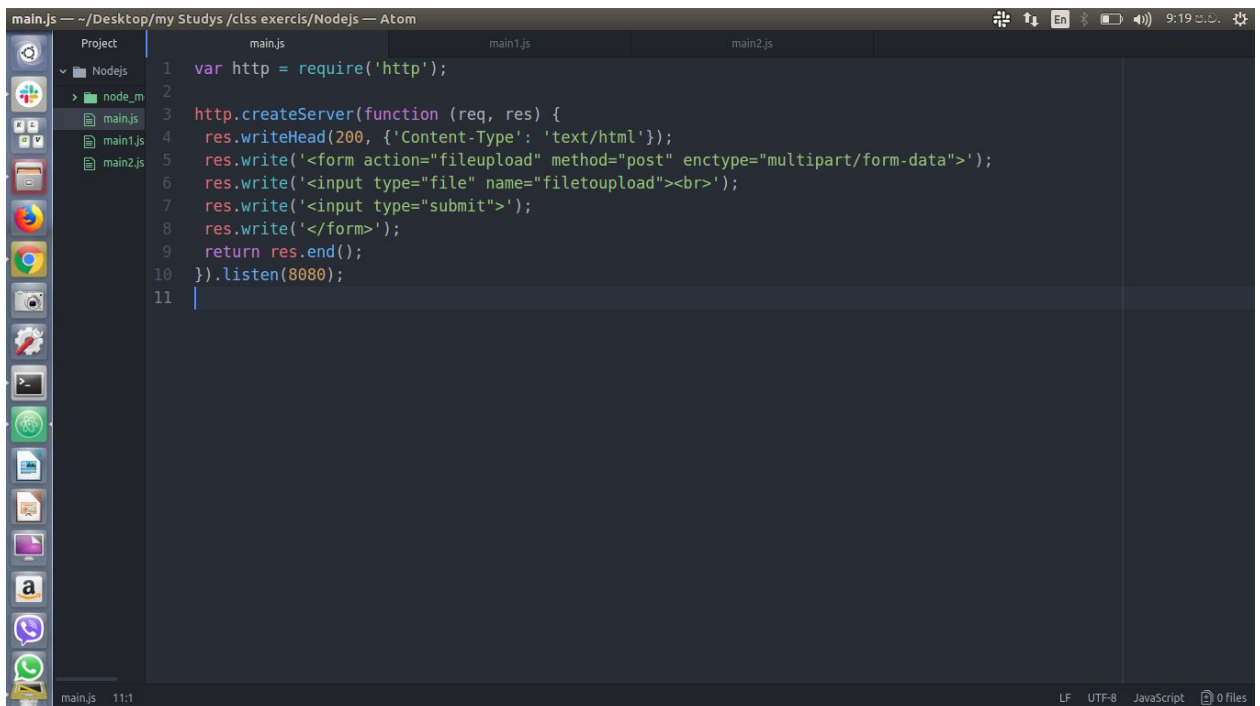


```
main.js
1 var events = require('events');
2 var EventEmitter = new events.EventEmitter();
3
4
5 var myEventHandler = function () {
6   console.log("I bark when I see strangers !");
7 }
8
9
10 EventEmitter.on( "bark" , myEventHandler);
11
12
13 EventEmitter.emit( "bark" );
14
```

```
head.html
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <h1> 'you have got he
5
6 </body>
7 </html>
8
```

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
[nodemon] restarting due to changes...
[nodemon] starting node main.js
[nodemon] restarting due to changes...
[nodemon] starting node main.js
"I bark when I see strangers !"
[nodemon] clean exit - waiting for changes before restart
```

7)



```
main.js
1 var http = require('http');
2
3 http.createServer(function (req, res) {
4   res.writeHead(200, {'Content-Type': 'text/html'});
5   res.write('<form action="fileupload" method="post" enctype="multipart/form-data">');
6   res.write('<input type="file" name="filetoupload"><br>');
7   res.write('<input type="submit">');
8   res.write('</form>');
9   return res.end();
10 }).listen(8080);
11
```

```
main1.js — ~/Desktop/my Studys /class exercis/Nodejs — Atom
Project
  main1.js
  main2.js
  node_m
  main1.js
  main2.js
1 var http = require('http');
2 var formidable = require('formidable');
3
4 http.createServer(function (req, res) {
5   if (req.url == '/fileupload') {
6     var form = new formidable.IncomingForm();
7     form.parse(req, function (err, fields, files) {
8       res.write('File uploaded and moved!');
9       res.end();
10    });
11  } else {
12    res.writeHead(200, {'Content-Type': 'text/html'});
13    res.write('<form action="fileupload" method="post" enctype="multipart/form-data">');
14    res.write('<input type="file" name="filetoupload"><br>');
15    res.write('<input type="submit">');
16    res.write('</form>');
17    return res.end();
18  }
19 }).listen(8080);
20
```

```
main2.js — ~/Desktop/my Studys /class exercis/Nodejs — Atom
Project
  main1.js
  main2.js
  node_m
  main1.js
  main2.js
1 var http = require('http');
2 var formidable = require('formidable');
3 var fs = require('fs');
4
5 http.createServer(function (req, res) {
6   if (req.url == '/fileupload') {
7     var form = new formidable.IncomingForm();
8     form.parse(req, function (err, fields, files) {
9       var oldpath = files.filetoupload.path;
10      var newpath = '/home/legu/Desktop/' + files.filetoupload.name;
11      fs.rename(oldpath, newpath, function (err) {
12        if (err) throw err;
13        res.write('File uploaded and moved!');
14        res.end();
15      });
16    });
17  } else {
18    res.writeHead(200, {'Content-Type': 'text/html'});
19    res.write('<form action="fileupload" method="post" enctype="multipart/form-data">');
20    res.write('<input type="file" name="filetoupload"><br>');
21    res.write('<input type="submit">');
22    res.write('</form>');
23    return res.end();
24  }
25 }).listen(8080);
26
```

The image shows a VS Code editor window with a project named 'Nodejs'. The file 'main.js' is open, displaying the following code:

```
1 var nodemailer = require('nodemailer');
2
3 var transporter = nodemailer.createTransport({
4   service: 'gmail',
5   auth: {
6     user: 'vidhdiyatharans@gmail.com',
7     pass: '*****'
8   }
9 });
10
11 var mailOptions = {
12   from: ' vidhdiyatharans@gmail.com',
13   to: 'info@uki.life',
14   subject: 'Testing my nodemailer module',
15   text: 'This is 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
```

A terminal window is open in the foreground, showing the output of running the application. It displays the following error message:

```
ukistu09@UKIPC09:~/Desktop/my Studys /clss exercis/Nodejs
[nodemom] starting `node main.js`
/home/ukistu09/Desktop/my Studys /clss exercis/Nodejs/node_modules/nodemailer/lib/mail/index.js:31
    compile: [(...args) => this._convertDataImages(...args)],
              ^^^^^
SyntaxError: Unexpected token ...
    at exports.runInThisContext (vm.js:53:16)
    at Module._compile (module.js:374:25)
    at Object.Module._extensions..js (module.js:417:10)
    at Module.load (module.js:344:32)
    at Function.Module._load (module.js:301:12)
    at Module.require (module.js:354:17)
    at require (internal/module.js:12:17)
    at Object.<anonymous> (/home/ukistu09/Desktop/my Studys /clss exercis/Nodejs/node_modules/nodemailer/lib/nodemailer.js:3:16)
    at Module._compile (module.js:410:26)
    at Object.Module._extensions..js (module.js:417:10)
[nodemom] app crashed - waiting for file changes before starting...
```

The error message indicates a syntax error in the 'compile' property of the 'mailOptions' object, specifically in the arrow function syntax used for the 'convertDataImages' method.