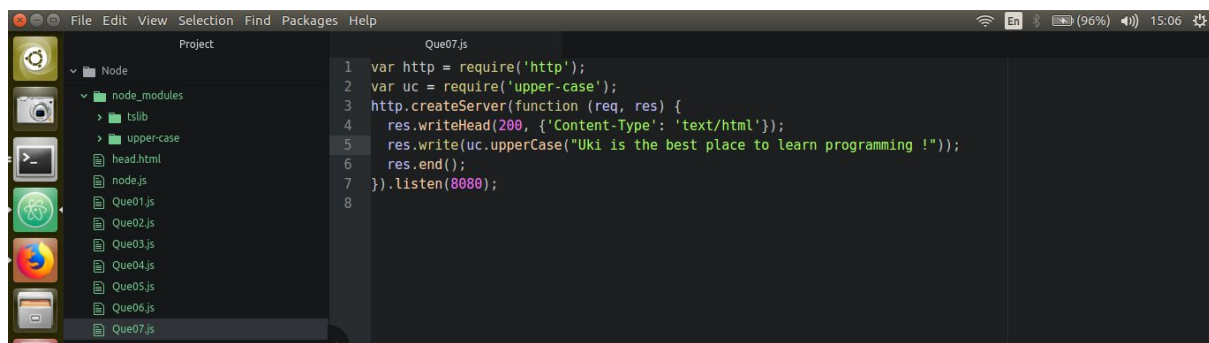
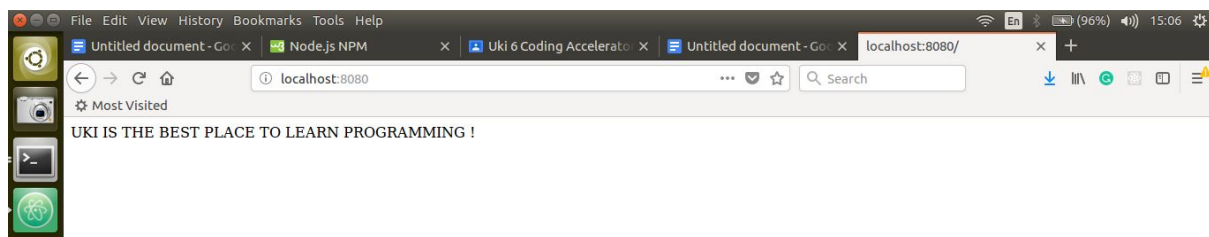
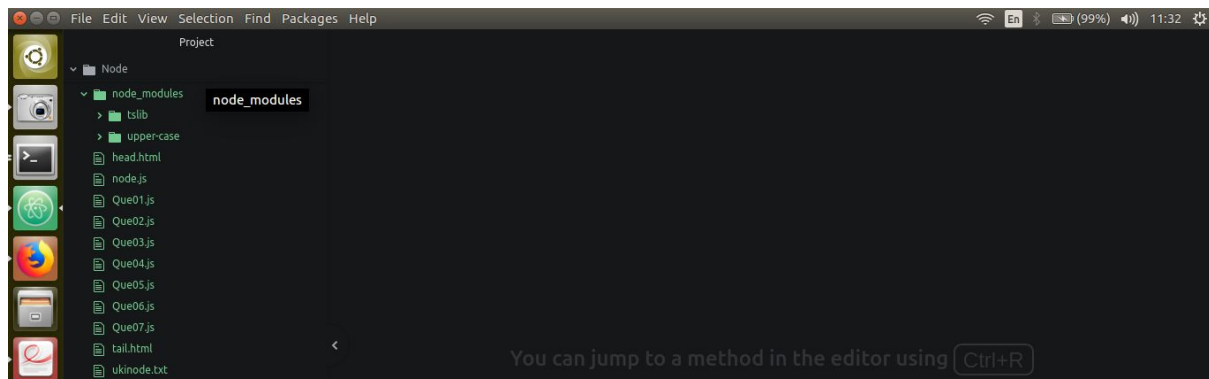


5. Install the package “upper-case” using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming !" into upper-case letters.

```
Terminal File Edit View Search Terminal Help
bash: /home/ukistu05/Downloads/mongodb-linux-x86_64-ubuntu1604-3.4.4/bin: No such file or directory
ukistu05@uklpc05:~/Desktop/Node$ npm --version
3.10.10
ukistu05@uklpc05:~/Desktop/Node$ sudo npm install upper-case
[sudo] password for ukistu05:
/home/ukistu05/Desktop/Node
└─ upper-case@2.0.1
   tslib@1.10.0

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu05/Desktop/Node/package.json'
npm WARN Node No description
npm WARN Node No repository field.
npm WARN Node No README data
npm WARN Node No license field.
ukistu05@uklpc05:~/Desktop/Node$
```



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

```
Terminal File Edit View Search Terminal Help
bash: /home/ukistu05/Downloads/mongodb-linux-x86_64-ubuntu1604-3.4.4/bin: No such file or directory
ukistu05@ukipc05:~/Desktop/Node$ npm --version
3.10.10
ukistu05@ukipc05:~/Desktop/Node$ sudo npm install upper-case
[sudo] password for ukistu05:
/home/ukistu05/Desktop/Node
└─ upper-case@2.0.1
   └─ tslib@1.10.0

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu05/Desktop/Node/package.json'
npm WARN Node No description
npm WARN Node No repository field.
npm WARN Node No README data
npm WARN Node No license field.
ukistu05@ukipc05:~/Desktop/Node$ node Que07.js
^C
ukistu05@ukipc05:~/Desktop/Node$ node Que08.js
I bark when I see strangers !
ukistu05@ukipc05:~/Desktop/Node$
ukistu05@ukipc05:~/Desktop/Node$
```

```
File Edit View Selection Find Packages Help
Project
Node
└─ node_modules
   └─ head.html
      └─ node.js
         └─ Que01.js
            └─ Que02.js
               └─ Que03.js
                  └─ Que04.js
                     └─ Que05.js
                        └─ Que06.js
                           └─ Que07.js
                              └─ Que08.js

Que08.js
1 var events = require('events');
2 var EventEmitter = new events.EventEmitter();
3
4 var myEventHandler = function () {
5   console.log('I bark when I see strangers !');
6 }
7
8
9 EventEmitter.on('bark', myEventHandler);
10
11
12 EventEmitter.emit('bark')
13
```

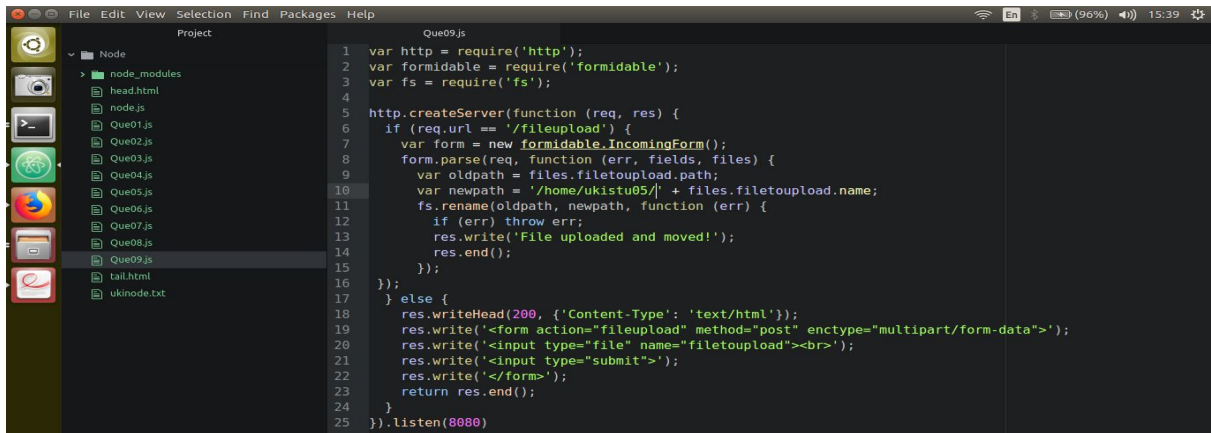
7. Install “formidable” module using npm and make a web page in Node.js that lets the user upload files to your computer.

7.1 Save that uploaded file into your Documents directory.

```
ukistu05@ukipc05:~/Desktop/Node$ ^C
ukistu05@ukipc05:~/Desktop/Node$ sudo npm install formidable
[sudo] password for ukistu05:
/home/ukistu05/Desktop/Node
└─ formidable@1.2.1

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu05/Desktop/Node/package.json'
npm WARN Node No description
npm WARN Node No repository field.
npm WARN Node No README data
npm WARN Node No license field.
ukistu05@ukipc05:~/Desktop/Node$
```

```
File Edit View History Bookmarks Tools Help
Untitled document - Go... x Node.js Upload Files x Uki 6 Coding Accelerator x Untitled document - Go... x localhost:8080/fileupload x
localhost:8080/fileupload
Most Visited
File uploaded and moved!
```

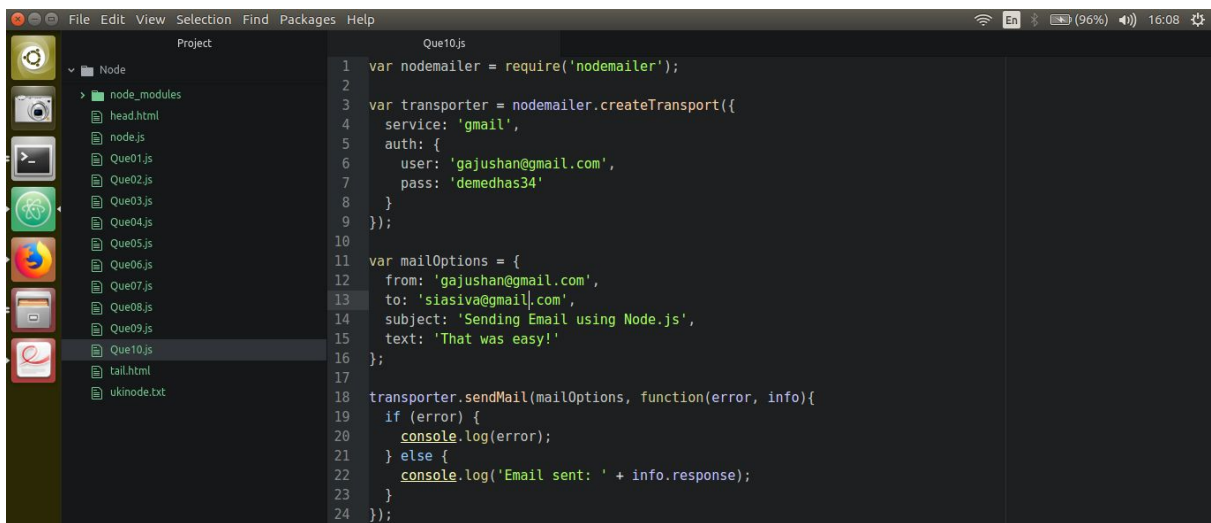


The screenshot shows a code editor with a project named 'Node' and a file explorer on the left. The file explorer shows a directory 'node\_modules' containing files like 'head.html', 'node.js', 'Que01.js', 'Que02.js', 'Que03.js', 'Que04.js', 'Que05.js', 'Que06.js', 'Que07.js', 'Que08.js', 'Que09.js', 'tail.html', and 'ukinode.txt'. The main editor area shows the code for 'Que09.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.fileupload.path;
10      var newpath = '/home/ukistu05/' + files.fileupload.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="fileupload"><br>');
21     res.write('<input type="submit">');
22     res.write('</form>');
23     return res.end();
24   }
25 }).listen(8080)
```

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.



The screenshot shows a code editor with a project named 'Node' and a file explorer on the left. The file explorer shows a directory 'node\_modules' containing files like 'head.html', 'node.js', 'Que01.js', 'Que02.js', 'Que03.js', 'Que04.js', 'Que05.js', 'Que06.js', 'Que07.js', 'Que08.js', 'Que09.js', 'Que10.js', 'tail.html', and 'ukinode.txt'. The main editor area shows the code for 'Que10.js'.

```
1 var nodemailer = require('nodemailer');
2
3 var transporter = nodemailer.createTransport({
4   service: 'gmail',
5   auth: {
6     user: 'gajushan@gmail.com',
7     pass: 'demedhas34'
8   }
9 });
10
11 var mailOptions = {
12   from: 'gajushan@gmail.com',
13   to: 'siasiva@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 });
```