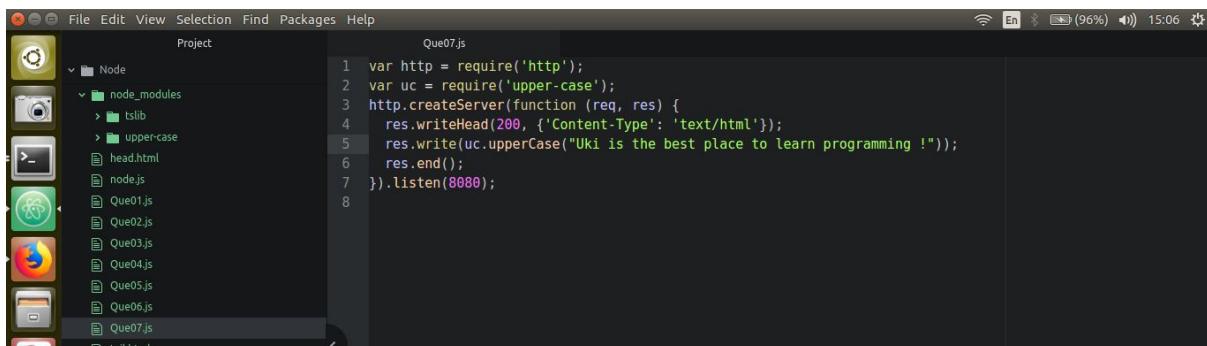
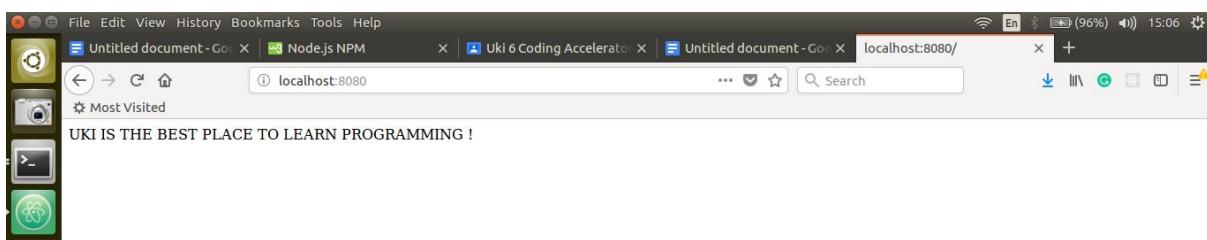
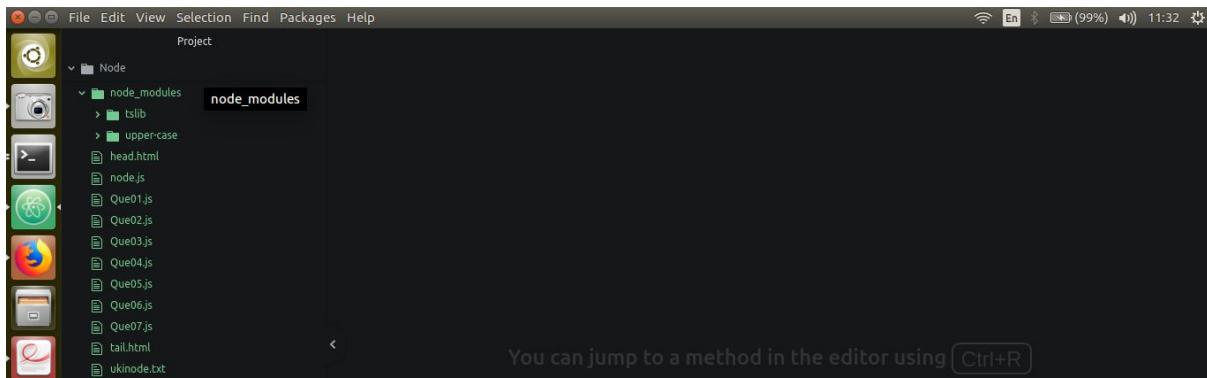


5. Install the package "upper-case" using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming !" into upper-case letters.

```
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@ukipco5:~/Desktop/Node$ npm --version
3.10.10
ukistu05@ukipco5:~/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@ukipco5:~/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
3.10.10
ukistu05@ukipc05:~/Desktop/Node$ npm --version
[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$
```

```
File Edit View Selection Find Packages Help
Project
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 eventEmitter.on('bark', myEventHandler);
9
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! × Node.js Upload Files × Uki 6 Coding Accelerator × Untitled document - Go! × localhost:8080/fileupload × +
Back Forward Stop Reload ⌘S Most Visited
localhost:8080/fileupload
File uploaded and moved!
```

```

File Edit View Selection Find Packages Help
Project
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.filetoupload.path;
10      var newpath = '/home/ukistu05/' + 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)

```

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.

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

```
var transporter = nodemailer.createTransport({
  service: 'gmail',
  auth: {
    user: 'pullinkouki6@gmail.com',
    pass: '@ukipulli6'
  }
});
```

```
var mailOptions = {
  from: 'pullinkouki6@gmail.com',
  to: 'easansivapriya@gmail.com',
  subject: 'Sending Email using Node.js',
  text: 'That was easy!'
};
```

```
transporter.sendMail(mailOptions, function(error, info){
  if (error) {
    console.log(error);
  } else {
    console.log('Email sent: ' + info.response);
  }
});
```

The screenshot shows a Linux desktop environment with a dark theme. In the top panel, there are icons for network, battery (96%), volume, and system status. The title bar of the application window says "File Edit View Selection Find Packages Help".

Code Editor:

- Project tree on the left: Node > node_modules, 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, ukinode.txt.
- Code editor tab: Que10.js
- Code content (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 });
```

Terminal:

```
bash: /home/ukistu05/Downloads/mongodb-linux-x86_64-ubuntu1604-3.4.4/bin: No such file or directory
[ukistu05@ukipco5:~/Desktop/Node$ sudo npm install nodemailer
[sudo] password for ukistu05:
/home/ukistu05/Desktop/Node
└── nodemailer@6.4.2
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@ukipco5:~/Desktop/Node$ node Que10.js
Email sent: 250 2.0.0 OK 1588203612 j9sm19088100pfn.152 - gsmtp
[ukistu05@ukipco5:~/Desktop/Node$ ]
```