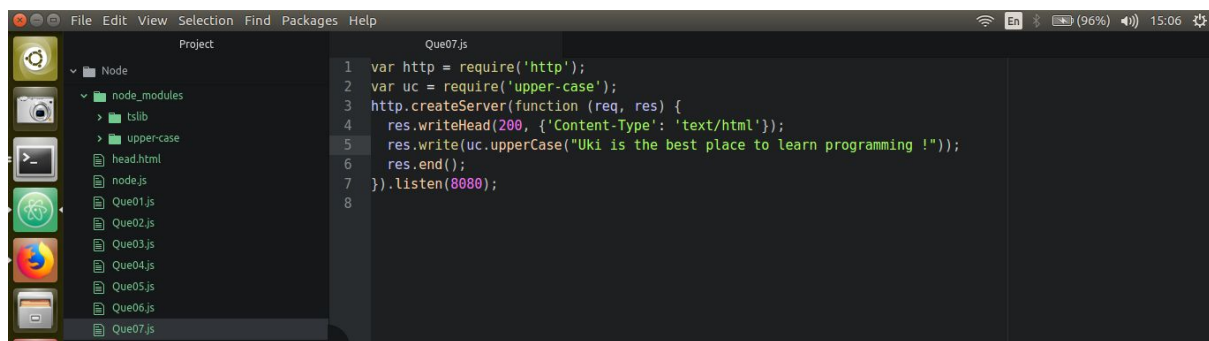
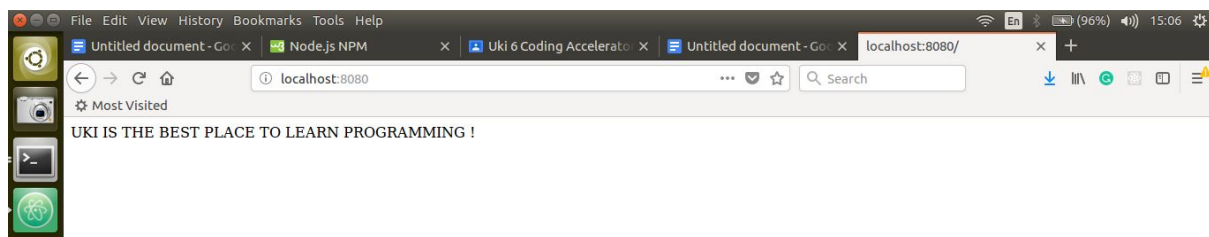
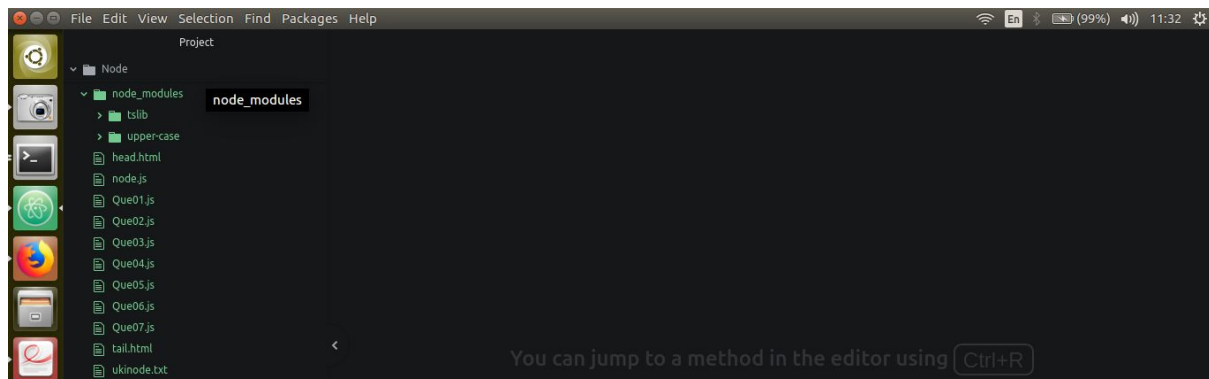


5. Install the package “upper-case” using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming !" into upper-case letters.

```
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 emitter.on('bark', myEventHandler);
10
11
12 emitter.emit('bark')
13
```

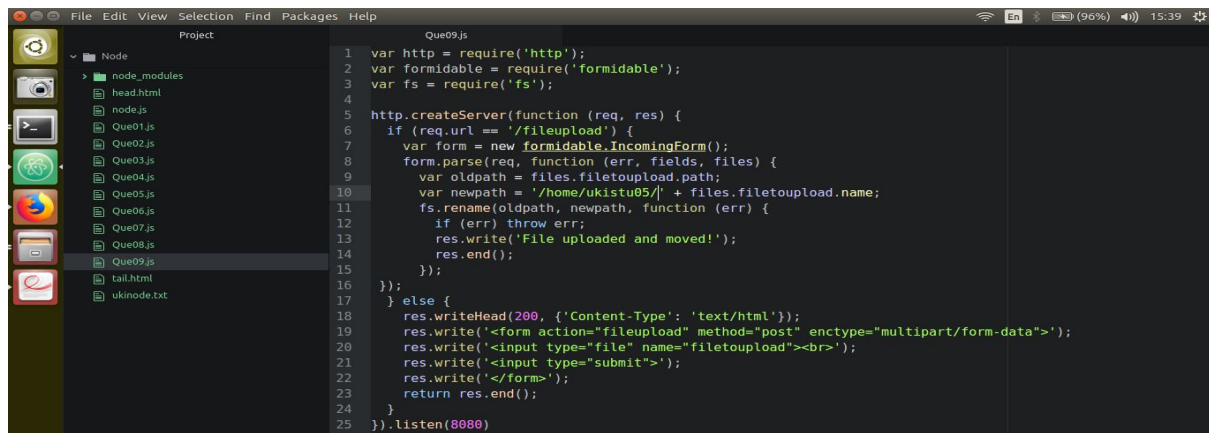
7. Install “formidable” module using npm and make a web page in Node.js that lets the user upload files to your computer.

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
File uploaded and moved!
```



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 !"

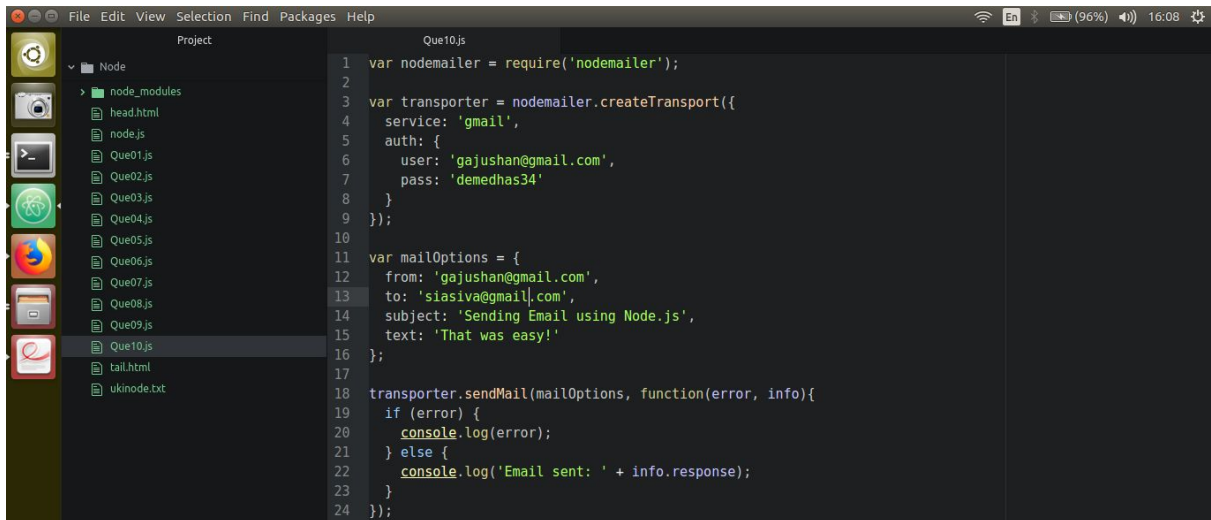
8.1 Now instead of text send a basic html formatted mail.

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

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

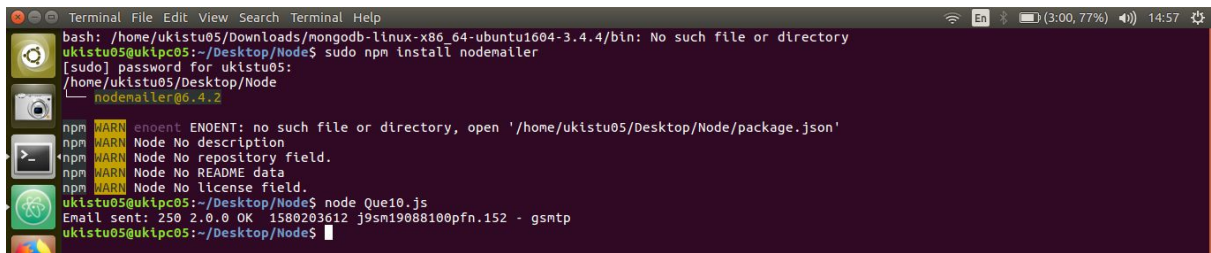
```
var mailOptions = {
  from: 'pullinkouki6@gmail.com',
  to: 'easansivapriya@gmail.com',
  subject: 'Sending Email using Node.js',
  text: 'That was easy!'
};
```

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



The screenshot shows a code editor with a dark theme. On the left, a sidebar displays a project structure under the name 'Project'. It includes a 'Node' directory containing a 'node_modules' folder and several files: 'head.html', 'node.js', 'Que01.js', 'Que02.js', 'Que03.js', 'Que04.js', 'Que05.js', 'Que06.js', 'Que07.js', 'Que08.js', 'Que09.js', 'Que10.js' (which is selected), 'tail.html', and 'ukinode.txt'. The main editor area displays the code for 'Que10.js'. The code uses the 'nodemailer' library to create a transport and send an email via Gmail. The email is sent from 'gajushan@gmail.com' to 'siasiva@gmail.com' with the subject 'Sending Email using Node.js' and the body 'That was easy!'. The code includes error handling and console logging.

```
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 });
```



The screenshot shows a terminal window with a dark background. The terminal output shows the user running a command to install 'nodemailer' using 'npm'. The command is: `ukistu05@uklpc05:~/Desktop/Node$ sudo npm install nodemailer`. The terminal shows the password prompt and the successful installation of 'nodemailer@6.4.2'. Following the installation, the user runs the command: `ukistu05@uklpc05:~/Desktop/Node$ node Que10.js`. The output shows the email being sent successfully: `Email sent: 250 2.0.0 OK 1580203612 j9sm19088100pfn.152 - gsmtpt`.

```
bash: /home/ukistu05/Downloads/mongodb-linux-x86_64-ubuntu1604-3.4.4/bin: No such file or directory
ukistu05@uklpc05:~/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@uklpc05:~/Desktop/Node$ node Que10.js
Email sent: 250 2.0.0 OK 1580203612 j9sm19088100pfn.152 - gsmtpt
ukistu05@uklpc05:~/Desktop/Node$
```