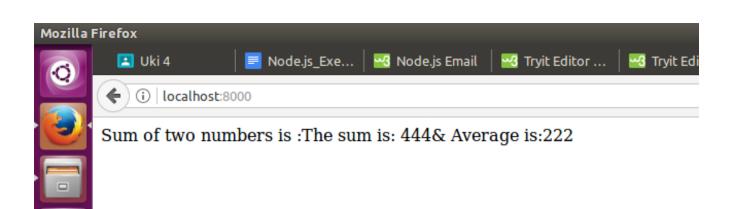
1. Create a custom module which returns the sum and average of any two numbers passed into it. Require the module and run the server by passing 123 and 321 so that the server prints out the sum and average.

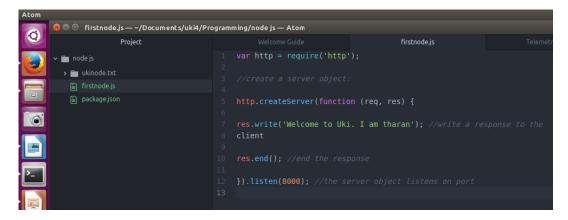
```
at TLSSocket.Readable.push (_stream_readable.js:134:10)
code: 'EAUTH',
response: '535-5.7.8 Username and Password not accepted. Learn more
',
responseCode: 535,
command: 'AUTH PLAIN' }
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques8.js
Email sent: 250 2.0.0 OK 1548314481 l25sm8751892ioj.68 - gsmtp
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques1.js
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques11.js
```

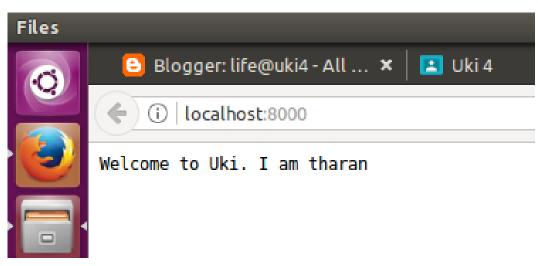


2.Create a simple http server and print "Welcome to Uki. I am **yourname**" when a request is sent to your server via the port 8000. (Note - Change different port numbers and check)

```
uki-pc@ukipc:~/Documents/uki4/Programming/node js
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node firstnode.js
/home/uki-pc/Documents/uki4/Programming/node js/firstnode.js:8
client

ReferenceError: client is not defined
    at Server.<anonymous> (/home/uki-pc/Documents/uki4/Programming/node js/firstnode.js:8:1)
    at emitTwo (events.js:196:13)
    at Server.emit (events.js:191:7)
    at HTTPParser.parserOnIncoming [as onIncoming] (_http_server.js:567:12)
    at HTTPParser.parserOnHeadersComplete (_http_common.js:99:23)
uki-pc@ukipc:~/Documents/uki4/Programming/node js$
```





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

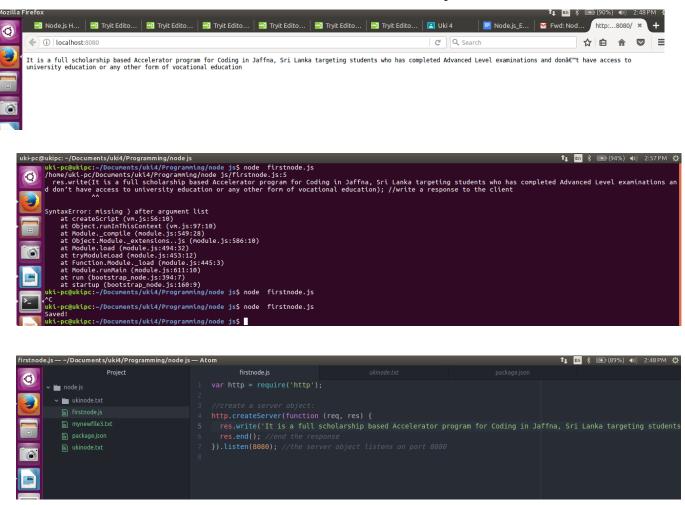
```
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node firstnode.js
/home/uki-pc/Documents/uki4/Programming/node js/firstnode.js:8
client

ReferenceError: client is not defined
    at Server.<anonymous> (/home/uki-pc/Documents/uki4/Programming/node js/firstnode.js:8:1)
    at emitTwo (events.js:106:13)
    at Server.emit (events.js:191:7)
    at HTTPParser.parserOnIncoming [as onIncoming] (_http_server.js:567:12)
    at HTTPParser.parserOnHeadersComplete (_http_common.js:99:23)
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node firstnode.js
Replaced!
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node firstnode.js
Replaced!
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ |
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ |
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ |
    uki-pc@ukipc:~/Documents/uki4/Programming/node js$ |
```

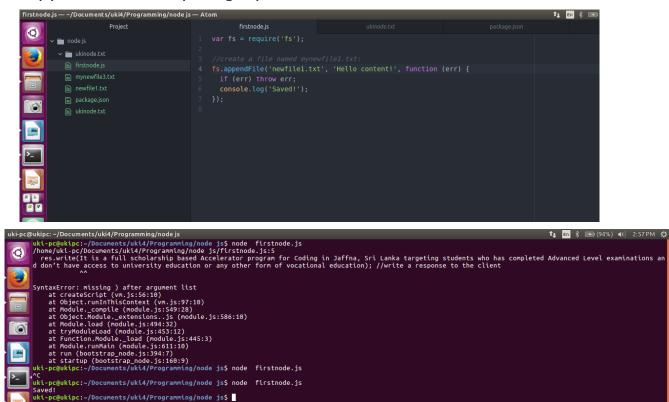
## 3.1 Write a paragraph about Uki into that file



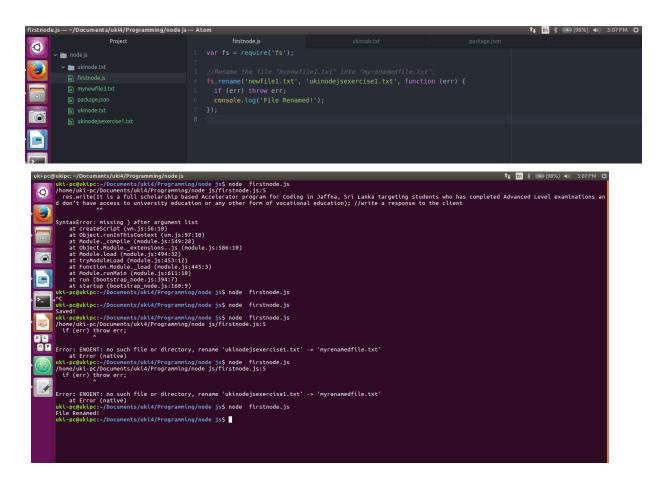
#### 3.2 Serve that file to the client (Read File) over your server



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



#### 3.4 Rename the file as ukinodejsexercise1.txt



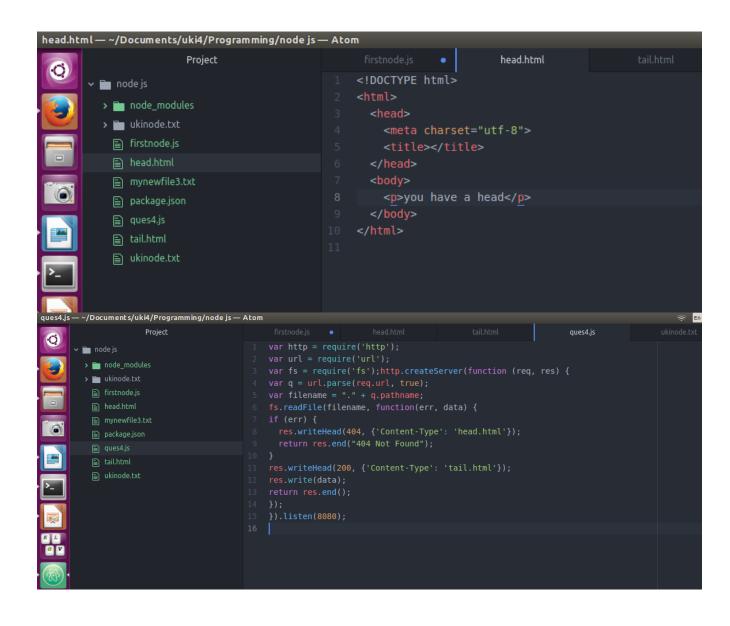
## 3.5 Delete the file you created

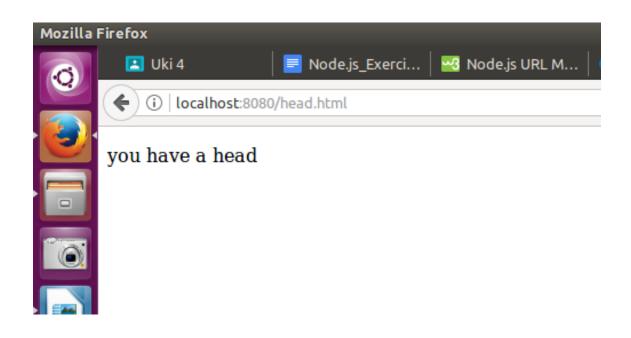


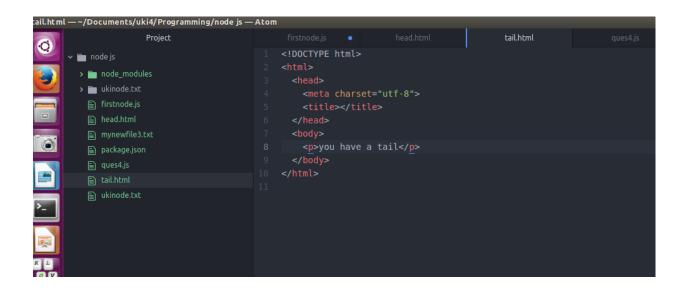


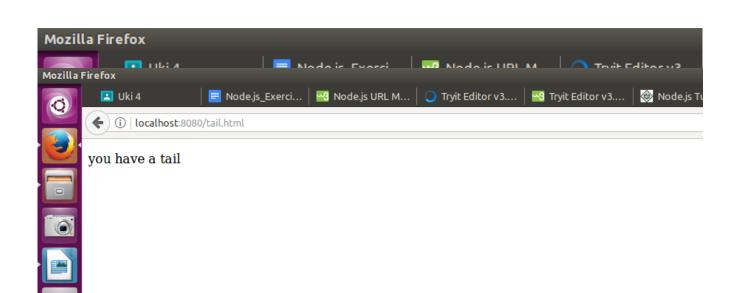
4. Create two html files called head.html which is a web page which says 'you have got head ' and tail.html which is a web page which says 'you have got tail' and save them in the same folder as your node.js files. Create a Node.js file that opens the requested file and returns the content to the client.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

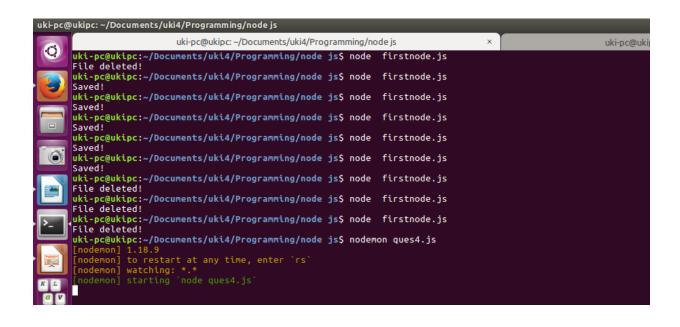
If you have followed the correct steps you should see two different results when opening these two addresses: http://localhost:8080/head.html - > You have got head http://localhost:8080/tail.html -> You have got tail



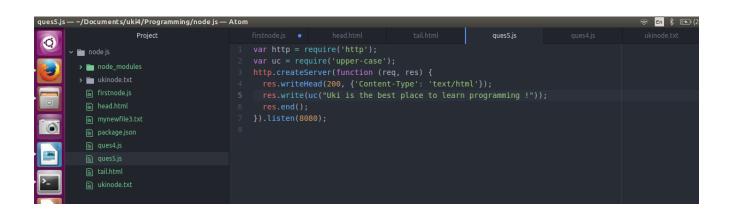


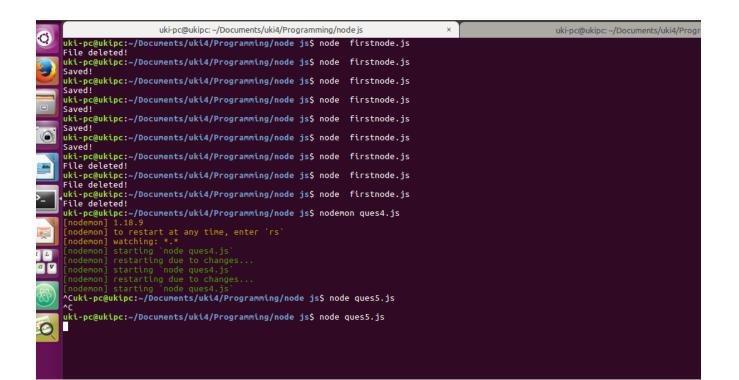






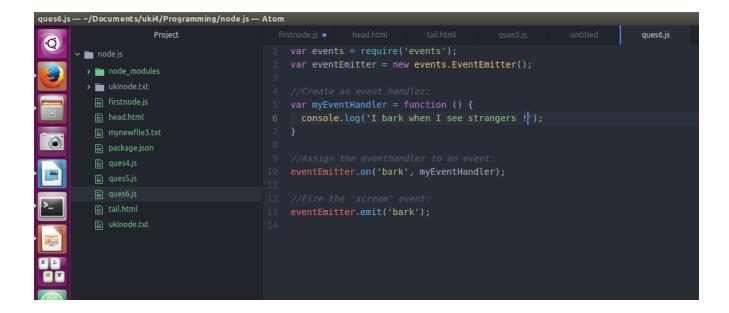
5. Install the package "upper-case" using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming!" into upper-case letters.





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

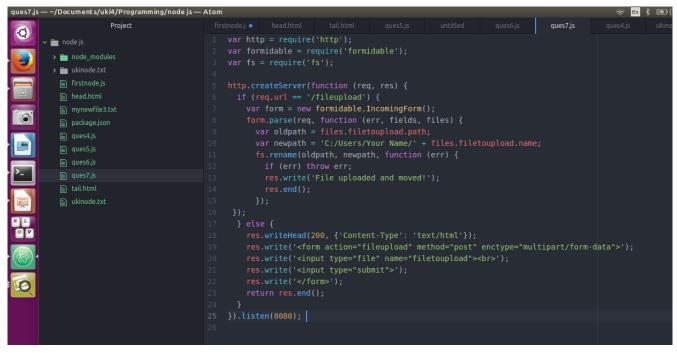
```
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques6.js
I bark when I see strangers !
uki-pc@ukipc:~/Documents/uki4/Programming/node js$
```

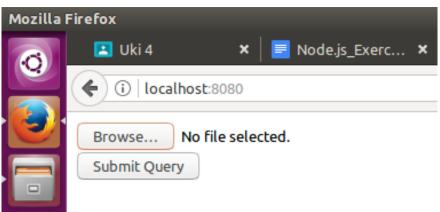


- 7. Install "formidable" module using npm and make a web page in Node.js that lets the user upload files to your computer.
- 7.1 Save that uploaded file into your Documents directory.

```
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ npm install formidable tharan@1.0.0 /home/uki-pc/Documents/uki4/Programming/node js _____ formidable@1.2.1

npm WARN tharan@1.0.0 No description npm WARN tharan@1.0.0 No repository field.
uki-pc@ukipc:~/Documents/uki4/Programming/node js$
```





```
[nodemon] restarting due to changes...
[nodemon] starting `node ques4.js`
^Cuki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques5.js
^C
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques5.js
^C
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques6.js
I bark when I see strangers !
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques7.js
```

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!"

```
uki-pc@ukipc:~/Documents/uki4/Programming/node js$ node ques8.js
{ Error: Invalid login: 535-5.7.8 Username and Password not accepted. Learn more at
535 $.7.8 https://support.google.com/mail/jp=BadCredentials y12sm3597073pfk.70 - gsmtp
    at SMTPConnection._formatError (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:774:19)
    at SMTPConnection._actionAUTHComplete (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:1599:34)
    at SMTPConnection._responseActions.push.str (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:547:26)
    at SMTPConnection._processResponse (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:933:20)
    at SMTPConnection._onData (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:933:20)
    at ILSSocket._socket.on.chunk (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:931:40)
    at ILSSocket._socket.on.chunk (/home/uki-pc/Documents/uki4/Programming/node_js/node_modules/nodemailer/lib/smtp-connection/index.js:691:47)
    at readableAddChunk (_stream_readable.js:176:18)
    at TLSSocket.met (events.js:188:7)
    at readableAddChunk (_stream_readable.js:176:18)
    at TLSSocket.met (events.js:188:7)
    at TLSSocket.met (events.js:188:7)
```

