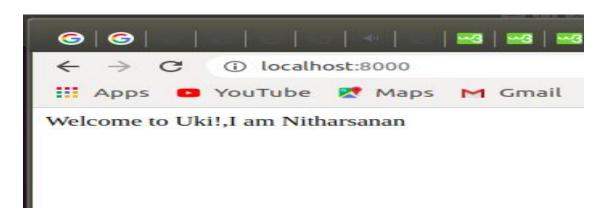
1. Create a custom module which returns the sum and average of any two numbers passed into it. Require the module and run the server by passing 123 and 321 so that the server prints out the sum and average.

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)



```
main.js

var http= require('http');

http.createServer(function(req,res){
    res.writeHead(200,{'Content-Type':'text/html'});
    res.write('Welcome to Uki!,I am Nitharsanan');
    res.end();
}).listen(8000);
```

- 3. Using the file system module create a new file called ukinode.txt
 - 3.1 Write a paragraph about Uki into that file

```
File Edit View Selection Find Packages Help
Project main.js

NodeJS

NodeJS

independules
in first.js

main.js

first.js

main.js

second.js
in therd.js
in the therd.js
in th
```

```
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS$ node main.js
Saved!
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS$ node main.js
Updated
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS$
```

- 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

```
Project

ukinode.txt

main.js

1 var fs= require('fs');

node_modules
first.js

fs.appendFile('ukinode.txt', 'Hey Uki Im Nitharsanan', function (err){
if (err) throw err;
console.log('Updated');

second.js
sum.js
sum.js
therd.js
ukinode.txt
upload.js
```

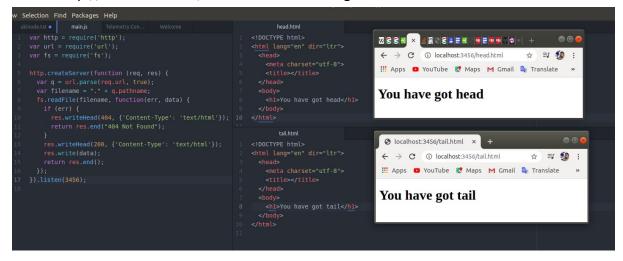
3.4 Rename the file as ukinodejsexercise1.txt

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

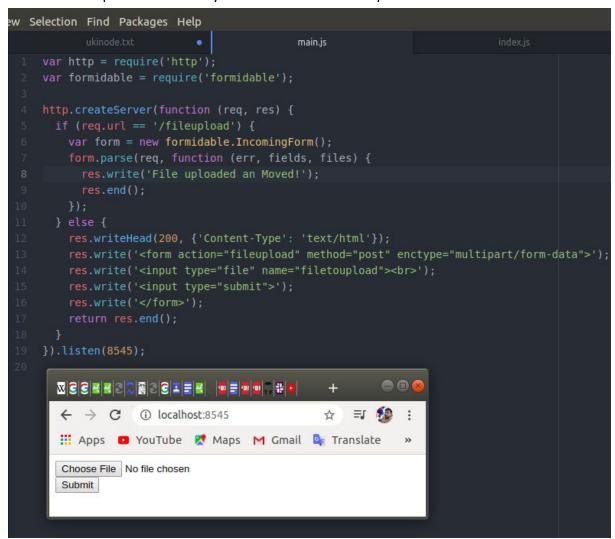


5. Install the package "upper-case" using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming!" into upper-case letters.

```
Edit View Selection Find Packages Help
oject
                                                        main.js
            var http = require('http');
Node IS
            var uc = require('upper-case');
node_m
            http.createServer(function (req, res) {
              res.writeHead(200, {'Content-Type': 'text/html'});
              res.write(uc("Uki is the best place to learn programming !!"));
head.htr
             res.end();
 second.j
            }).listen(3467);
 tail.html
therd.js
 ukinode
 upload.i.
```

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

- 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.



- 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.

```
inithar@nithar-Inspiron-5570: ~/Desktop/NodeJ5/mongo+db

var nodemailer = require('nodemailer');

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

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

text: 'That was easy!'
};

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

nithar@nithar-Inspiron-5570: ~/Desktop/NodeJS/mongo+db$ node my2

Email sent: 250 2.0.0 0K 1580205159 d3sm1846141pjx.10 - gsmtp

nithar@nithar-Inspiron-5570: ~/Desktop/NodeJS/mongo+db$

nithar@nithar-Inspiron-5570: ~/Desktop/NodeJS/mongo+db$
```