Node.js Exercise 1

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)





Welcome to Uki, I'm Vinoliya

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

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i var fs = require('fs');

fs.appendFile.('ukinode.txt','It is a full scholarship based Accelerator program for Coding in Jaffna, Sri Lanka targeting students
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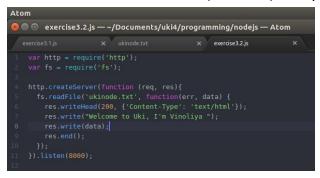
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3.2 Serve that file to the client (Read File) over your server





Welcome to Uki, I'm Vinoliya It is a full scholarship based Accelerator program for Coding in Jaffna, Sri Lanka targeting students who has completed Advanced Level examinations and donâ \in TMt have access to university education or any other form of vocational education. It is almed to provide the necessary training to enter Computer Software industry or to start an IT startup. This is a joint initiative by Yarl IT Hub has and SERVE Foundation. Yarl IT Hub has been functioning for the last five years as a not for profit focusing on technology entrepreneurship in northern Sri Lanka and SERVE Foundation is a four year old foundation focusing on using technology to uplift secondary education standards in rural schools in northern Sri Lanka.

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

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1 var fs - require("fs");

2 fs.appendfile("ukinode.txt", "Uki is located in rasavinthoddam jaffna nearby nallur temple. Uki consists many activities like personal coaching, English classes, Fitms function (err) {

5 fs.appendfile("ukinode.txt", "Uki is located in rasavinthoddam jaffna nearby nallur temple. Uki consists many activities like personal coaching, English classes, Fitms function (err) {

6 if (err) three err;

7 console.leg("Updated!");

8 });

9 }

guidation apple crashed valuating for file changes before starting [nodenon] restarting due to changes... [nodenon] starting inde exercise3.3.js';

//hone/ukistui1/Documents/uki4/programming/nodejs/exercise3.3.js:1

//hone/ukistui1/Documents/uki4/
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3.4 Rename the file as ukinodejsexercise1.txt

3.5 Delete the file you created

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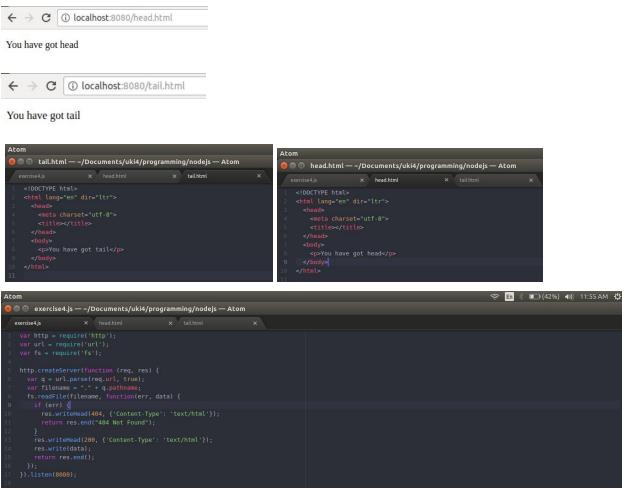
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4. Create two html files called head.html which is a web page which says 'you have got head ' and tail.html which is a web page which says 'you have got tail' and save them in the same folder as your node.js files. Create a Node.js file that opens 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

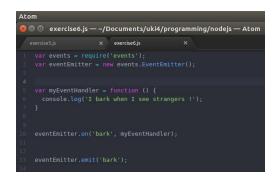


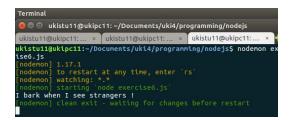
5. Install the package "upper-case" using NPM and create a Node.js file that will convert the output "Uki is the best place to learn programming!" into upper-case letters.

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← → C ① localhost:8080/head.html

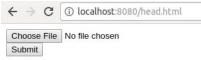
UKI IS THE BEST PLACE TO LEARN PROGRAMMING!
```

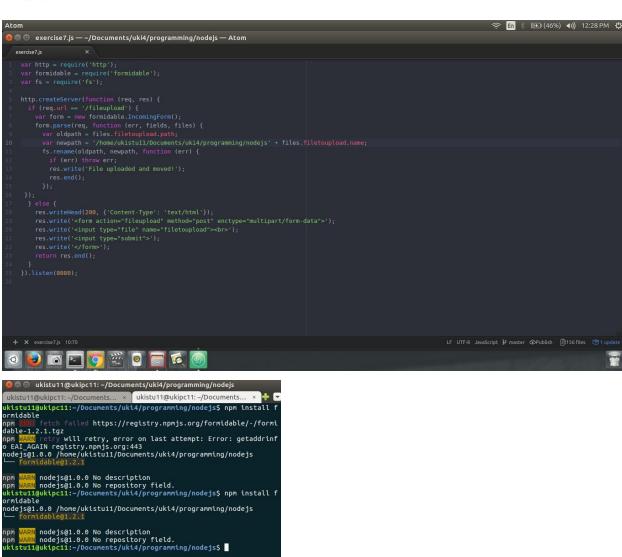
6. Create an event handler function that will say "I bark when I see strangers!" when a "bark" event is fired.





- 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.

