

**Lab2 - http server**  
**/todo //read from the same file**

- **We will be building a simple website consisting of three sections,**
  - **Page One: Home page** it's what the user see when they first land on our website it'll show our todos list that the user entered from yesterday (just Viewing). (don't show the id)
  - Both lab01, lab02 should read from the same file. ( you can add a todo using your cli, view it on the web using your newly created server)
  - **404 page not found (just simple html)**
- **Bonus**
  - **Page Two: Nature page /Nature**
  - **Page three: Quotes /Quotes**

- 1 - Download the following [images folder](#) (for the bonus)
- 2 - Create http server with the following functionality
  - The home page should contain a list of links one for each category (Nature/Quotes)
  - When the user clicks the link, the user will be redirected to a new page for the selected category
  - The category page should contain the **name** of the category and the **photos** in it. (show text first in the pages , then try to show the images in the bonus)
  - You can put your css for each page within the style tag in the html.
- 3 - Make the UI appealing :)
  - Make breadcrumbs     Home > Quotes

**BONUS:**

- Seperate your style sheets from your html and serve them separately

### **Notes:**

- **Make sure that you enable restart on change using nodemon**
- Please make sure that you separate your logic in functions
- Make the names of your functions and variables are expressive of what they are
- Start by defining each functionality and the steps you should make to achieve it
- Please make sure not to pollute the global scope[refrain from using global variables]
- Before writing a function, ask yourself, is there a function in javascript that can do that, if not, write your own.

### **Tips:**

- If you can't do something, search, then ask for help, this is not an exam.
- Please please please, don't copy someone else's code.

### **Useful Links:**

- [npm | build amazing things](#)
- Nodejs [Docs](#)
- Fs module docs [fs](#) (you will need to use the sync version of the functions)[ends with the word Sync]
- HTTP module to make your http server
- Nodemon for restarting node
- [Headers - Web APIs](#)
- [MIME types \(IANA media types\) - HTTP](#)
- [Introduction to Node.js](#)

### **Helpful READINGS**

- [Build an HTTP Server](#)
- [An introduction to the npm package manager](#)
- [The V8 JavaScript Engine](#)
- [How the Web works - Learn web development](#)

Please send the labs to either, please write your name and ITI\_ISMAILIA\_41, lab02 in the title of the email, also the name of the folder and I'll reply to each e-mail with the notes and comments.

OR email me the github link, make sure to ignore the node modules folder

-- [mohammedessehemy@gmail.com](mailto:mohammedessehemy@gmail.com)

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