

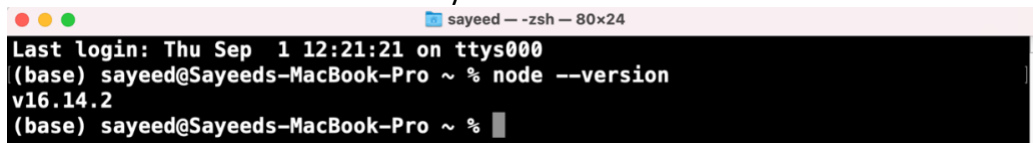
How To Open and Run Lab 6

1. If Node.js isn't downloaded, download it from here: <https://nodejs.org/en/>
In the website, you will see two versions and any of the versions should work.

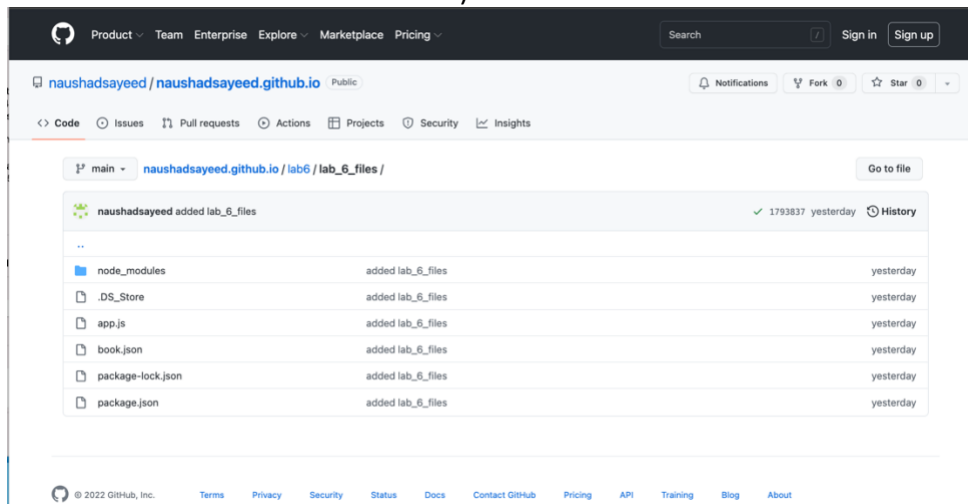


2. Go to your Terminal/Command line and enter `node --version` to see if Node.js is installed with the version.

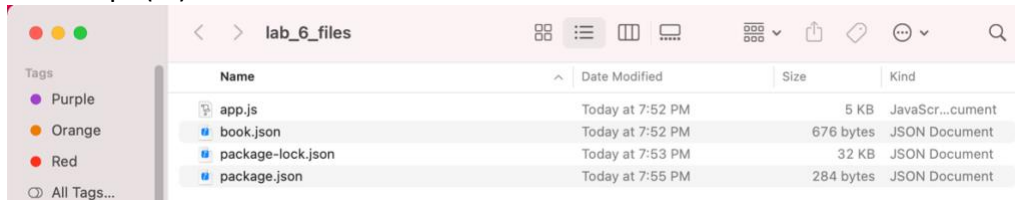
The screenshot below shows an example of how it should look like, but it will most likely be a different version number for you.



3. Download all the JavaScript (JS) and JSON files from here: https://github.com/naushadsayeed/naushadsayeed.github.io/tree/main/lab6/lab_6_file_S
(In order to download, click on the file, then click “Raw” and then go on File>Save Page As.. and then the file will be saved.)

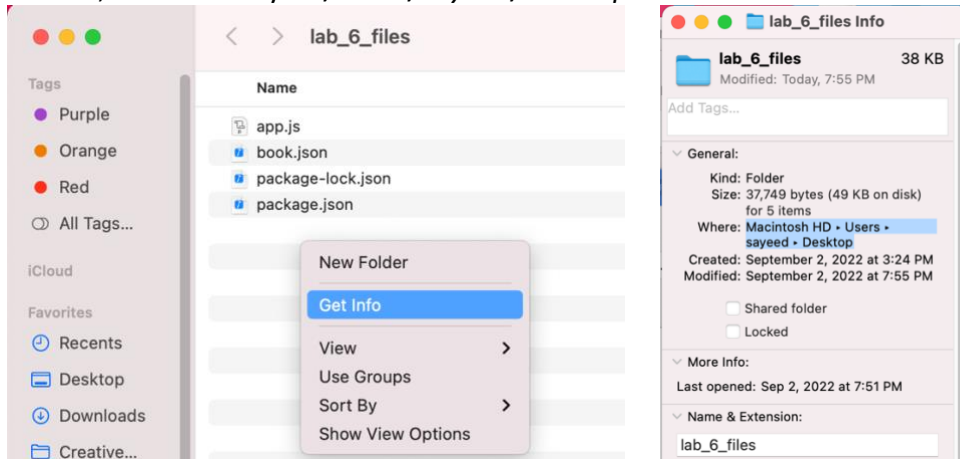


4. Create a folder in Desktop of Mac (I named my folder "lab_6_files") with all the JavaScript (JS) and JSON files in that folder.



5. Right Click on the root of the folder and click on "Get Info" to find the directory of the folder.

For me, the directory is: `/Users/sayed/Desktop`



6. Now use the `cd` command to enter that directory in the Terminal of Mac and then enter the folder in the terminal. Then use `ls` command to see if all the JS and JSON files are in that directory.

The screenshot below shows what I entered in the terminal, follow that but use the names of your directory/folders.

```
(base) sayeed@Sayeeds-MacBook-Pro ~ % cd /Users/sayed/Desktop
(base) sayeed@Sayeeds-MacBook-Pro Desktop % cd lab_6_files
(base) sayeed@Sayeeds-MacBook-Pro lab_6_files % ls
app.js                package-lock.json
book.json             package.json
```

7. Now enter `node app.js` and since `app.js` is the main file, it will run the whole project.

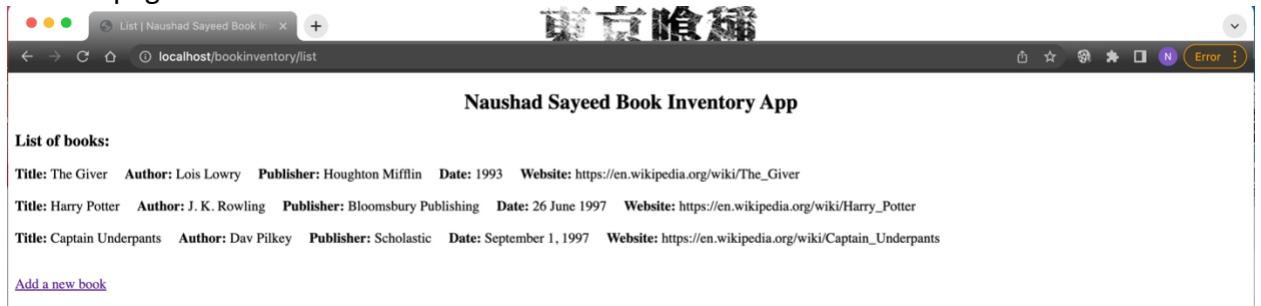
```
(base) sayeed@Sayeeds-MacBook-Pro lab_6_files % node app.js
```

8. Now on the browser, enter *localhost:80* (same as *localhost* since I picked port 80 in the code which is the default). Then after entering that, the browser will view the whole project.

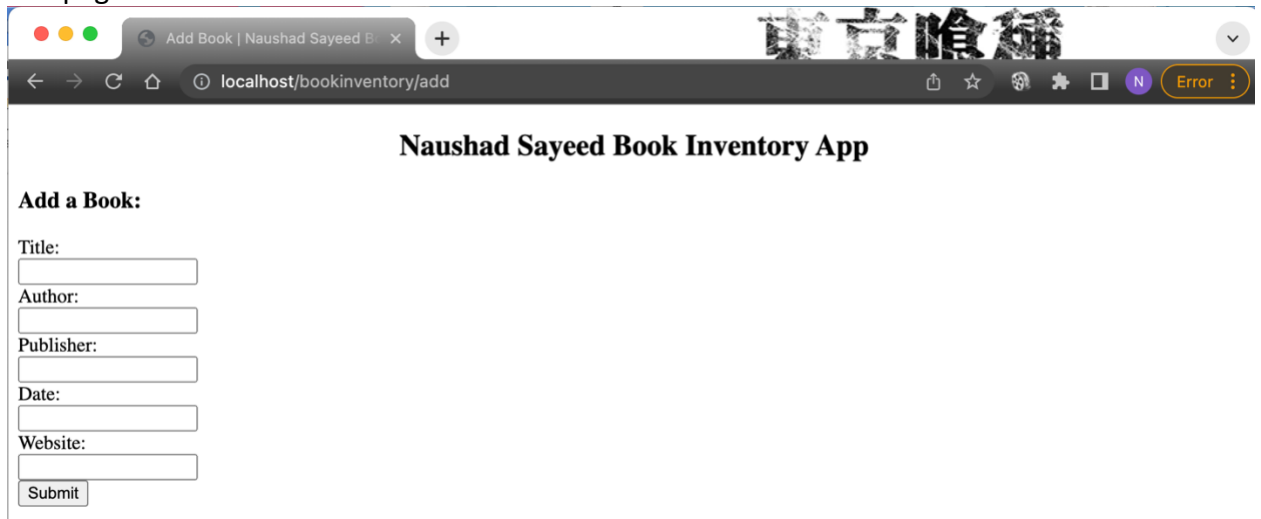
Here are the screenshots of how the pages will look like:



The screenshot above is the main page and if you “Click here to view list!” it will go to the webpage shown on the screenshot below.



The screenshot above lists all the books. If you click “Add a new book” then the webpage of the screenshot below will be shown.



The screenshot above is a form for the user to add the book information and once the user hits “Submit”, it will go back to the lists with the new book included.