SWE 4537 - Server Programming

LAB 1: Introduction to Node JS

1. Create a folder named "Lab_1_StudentID" on your machine. Make this directory a public git repository.
2. Practise the node modules demonstrated in video lectures. After completing each module stage your files and make a commit containing the module name e.g., "Completed FS Module". Push your repository.
3. After completing the modules demonstrated in video lectures, create a server in your app.js file which listens to a port same as the last 4 digits of your Student ID.
4. Create another file named "loadContent.js" and read the contents of the files in the HTML folder. While reading the contents of the files, encoding should be "utf-8". Now, export the contents of those files as variables or a single JSON for all of them.
5. Create 8 endpoints corresponding to the 7 files stored in the HTML folder and one generic endpoint. If user goes to an endpoint or URL that doesn't exist contents of this generic endpoint will be shown e.g., "Page doesn't exist."
6. Base endpoint is '/'. If a client sends requests to this endpoint, contents from index.html will be shown. For other endpoints, the endpoint name will be similar to the HTML file name. For example, if the endpoint is "/blog", then, contents from blog.html will be shown.
7. Finally, stage, commit and push.

Materials

1. Node JS Tutorial:
   https://youtube.com/playlist?list=PLp1VXFuoAAf0uaiCOhGe-x0_mbKirQ_v3
2. You do not need a lot of JS for this task. Still if you need to look up a few things -
   https://youtube.com/playlist?list=PLp1VXFuoAAf1O4gCXKk3meAMwPJ1FDih6