Create Docker Container Environment (NVIDEIA Docker or any other).

1. Install Docker for Desktop/ Docker Toolbox as per your system support from below link.

Docker Desktop (For Windows 10+ 64-bit) Download Link : https://dockr.ly/38BQNLT

Docker Toolbox (For Windows 7 or earlier 32-bit) Download Link : https://bit.ly/3lwZxpc

2. Install Nodejs from below link.

https://bit.ly/3ailfen

**Go to Docker quick start and run it as an administrator :**

3. Add docker (from microsoft) extension in VS Code.

-Steps to Implement the Assignment:

Step-1: Create a folder (Note: Folder name should be in lowercase).

Let the folder name be: partb

Step-2: Create any file with extension( such .js) in the same above folder(Here, partb) and write some content in the file.

Let the file name be: yogesh.js

The file contains the following code:

console.log("Name: your name");

console.log("Class: TE");

console.log("Subject: LP-II Web Application Development");

console.log("We are implementing Assignment-2B");

Step-3: Create file in the same folder with file name as- Dockerfile and press enter key. (Note: Don't add any file extension after the file name)

File: Dockerfile

Step-4: Write following code in Dockerfile (Created in Step-3) and save it.:

FROM node: alpine

COPY . /partb

CMD node /partb/yogesh.js

Step-5: Open terminal in VS Code and type the following command:

1. docker --version
2. node yogesh.js
3. docker build -t partb .
4. docker images