** Steps to implement this assignment:

- Basic Requirements:

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

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: part

Step-2: Create any file with any extension(such as .js, .txt, .py, etc....) in the same above folder(Here, part) and write some content in the file. Let the file name be: yogesh.js The file contains the following code:

```
console.log("Name: Yogesh Borhade");

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 . /part

CMD node /part/yogesh.js
```

Step-5: Open terminal in VS Code and type the following command: docker --version We will see the version of your docker if it is installed successfully.

```
docker --version
```

Step-6: In the same terminal in VS Code, type the following command: node yogesh.js It will display the contents in your file which is created in Step-2.

```
node yogesh.js
```

Step-7: In the same terminal in VS Code, type the following command: docker build -t part . We will see that it is successfully built.

```
docker build -t part .
```

Step-8: In the same terminal in VS Code, type the following command: docker images You will see the docker images with REPOSITORY, TAG, IMAGE ID, CREATED (Time), SIZE.

```
docker images
```

** Some Basic Questions That Can Be Asked:

1. What is docker?
2. What is use of docker?
3. What is docker container?
4. What do you mean by docker images?
5. Which commands have you used to implement this assignment?
6. Explain the steps to create docker images.