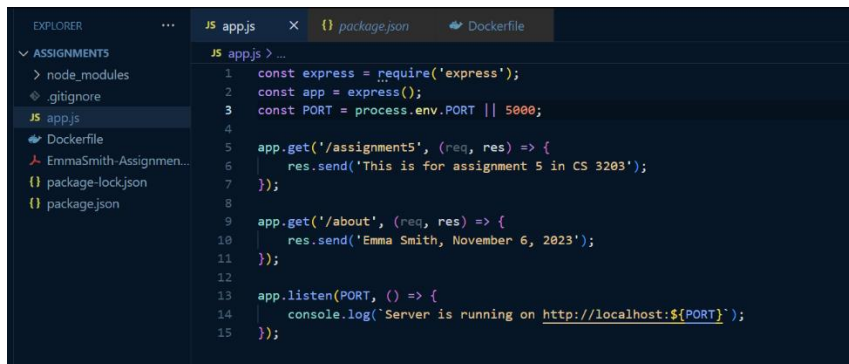


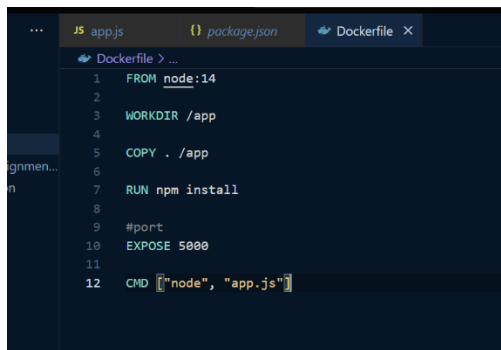
## Assignment 5

App.js:

A screenshot of a code editor showing a file named 'app.js'. The code is written in JavaScript and uses the Express.js framework. It defines two routes: one for '/assignment5' that sends a response about the assignment, and another for '/about' that sends a response with the user's name and the current date. The server is configured to listen on a port defined by the environment variable 'PORT', defaulting to 5000.

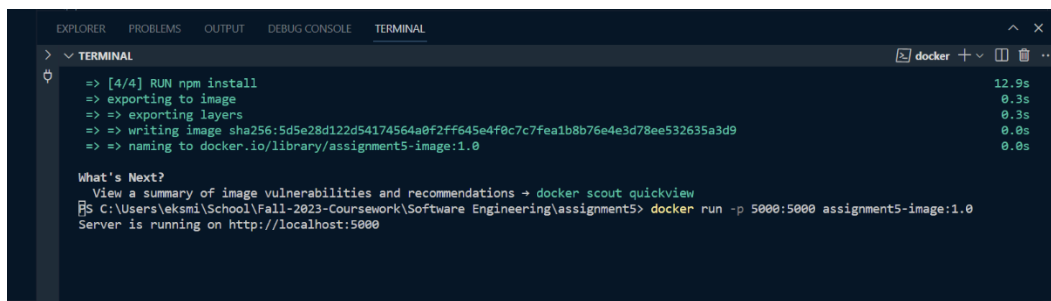
```
1 const express = require('express');
2 const app = express();
3 const PORT = process.env.PORT || 5000;
4
5 app.get('/assignment5', (req, res) => {
6   res.send('This is for assignment 5 in CS 3203');
7 });
8
9 app.get('/about', (req, res) => {
10  res.send('Emma Smith, November 6, 2023');
11 });
12
13 app.listen(PORT, () => {
14   console.log('Server is running on http://localhost:${PORT}');
15 });
```

Dockerfile:

A screenshot of a code editor showing a 'Dockerfile'. The file contains instructions to build a Docker image for a Node.js application. It starts with 'FROM node:14', sets the working directory to '/app', copies the application files, runs 'npm install', and finally runs the application using 'CMD ["node", "app.js"]'. A comment indicates the port is 5000.

```
1 FROM node:14
2
3 WORKDIR /app
4
5 COPY . /app
6
7 RUN npm install
8
9 #port
10 EXPOSE 5000
11
12 CMD ["node", "app.js"]
```

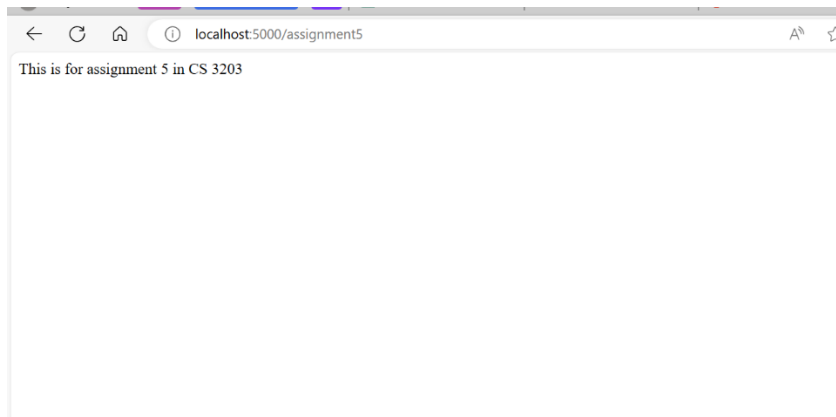
Docker run command:

A screenshot of a terminal window in VS Code. It shows the output of a 'docker build' command, which successfully creates an image named 'assignment5-image:1.0'. Below this, it shows the command 'docker run -p 5000:5000 assignment5-image:1.0' being executed, which starts the application. The terminal also displays a message from the application: 'Server is running on http://localhost:5000'.

```
> docker build -t assignment5-image:1.0 .
=> [4/4] RUN npm install 12.9s
=> exporting to image 0.3s
=> exporting layers 0.3s
=> writing image sha256:5d5e28d122d54174564a0f2ff645e4f0c7c7fea1b8b76e4e3d78ee532635a3d9 0.0s
=> naming to docker.io/library/assignment5-image:1.0 0.0s

What's Next?
View a summary of image vulnerabilities and recommendations + docker scout quickview
PS C:\Users\eksmi\School\Fall-2023-Coursework\Software Engineering\assignment5> docker run -p 5000:5000 assignment5-image:1.0
Server is running on http://localhost:5000
```

/assignment5 on localhost:



/about on localhost:

