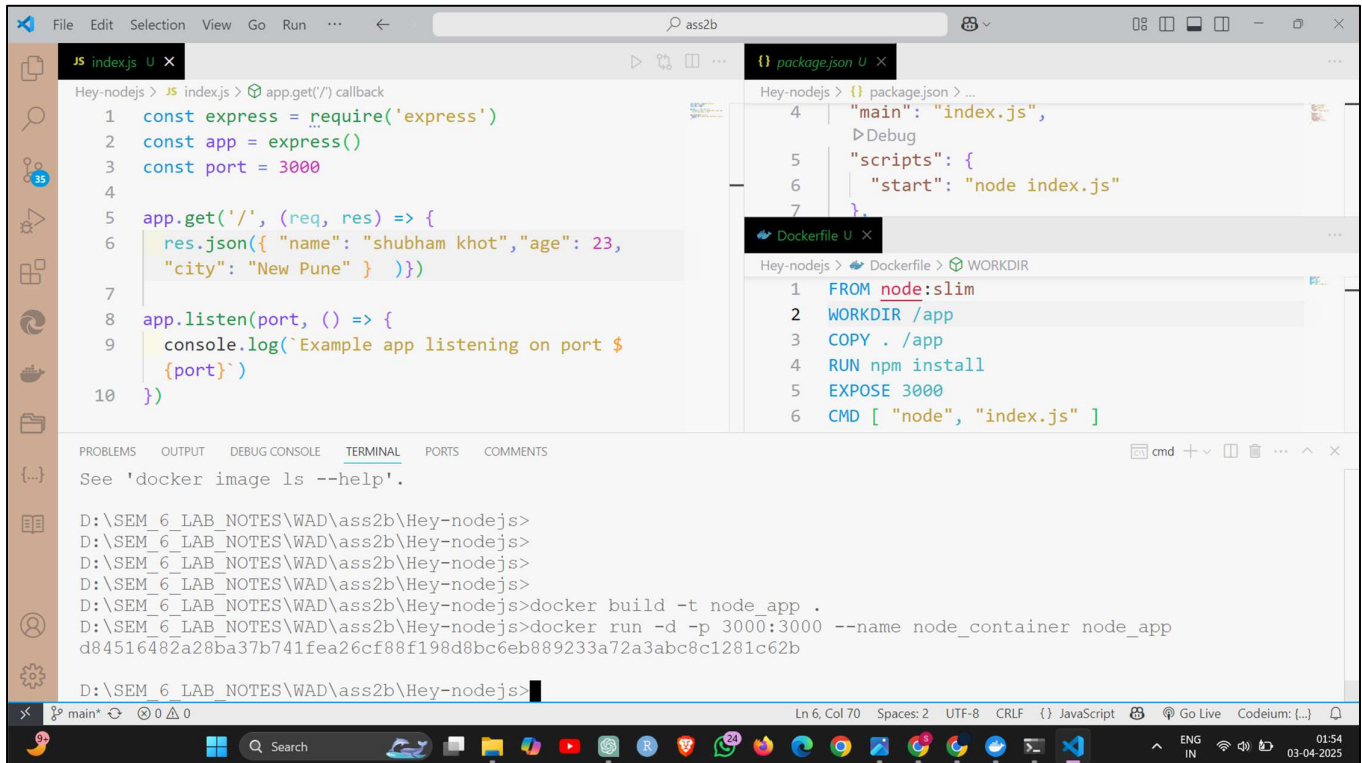


Wad Ass – 2B - Create Docker Container Environment



The screenshot shows the VS Code editor interface with three files open: `index.js`, `package.json`, and `Dockerfile`. The `index.js` file contains a simple Express.js application that listens on port 3000 and responds with a JSON object containing user information. The `package.json` file has a `main` field pointing to `index.js` and a `scripts` section with a `start` script that runs `node index.js`. The `Dockerfile` file is configured to use the `node:slim` base image, sets the working directory to `/app`, copies the application files, installs dependencies, and exposes port 3000. The terminal window at the bottom shows the execution of `docker build -t node_app .` and `docker run -d -p 3000:3000 --name node_container node_app`, resulting in a container ID.

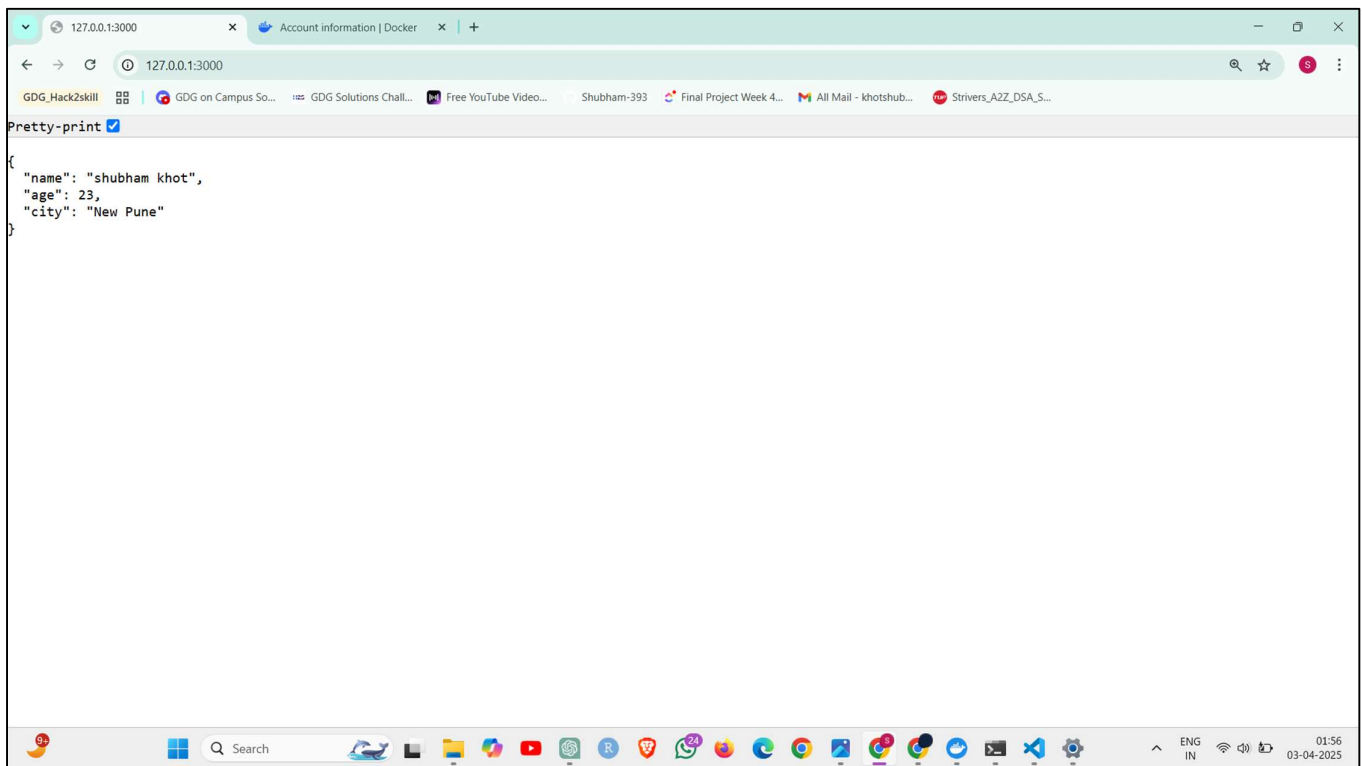
```
1 const express = require('express')
2 const app = express()
3 const port = 3000
4
5 app.get('/', (req, res) => {
6   res.json({ "name": "shubham khot", "age": 23,
7             "city": "New Pune" })
8 })
9
10 app.listen(port, () => {
11   console.log(`Example app listening on port $
12 {port}`)
13 })
```

```
{
  "main": "index.js",
  "scripts": {
    "start": "node index.js"
  }
}
```

```
1 FROM node:slim
2 WORKDIR /app
3 COPY . /app
4 RUN npm install
5 EXPOSE 3000
6 CMD [ "node", "index.js" ]
```

See 'docker image ls --help'.

```
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>docker build -t node_app .
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>docker run -d -p 3000:3000 --name node_container node_app
d84516482a28ba37b741fea26cf88f198d8bc6eb889233a72a3abc8c1281c62b
D:\SEM_6_LAB_NOTES\WAD\ass2b\Hey-nodejs>
```



The screenshot shows a web browser window with the address bar set to `127.0.0.1:3000`. The page displays the JSON response from the application: `{ "name": "shubham khot", "age": 23, "city": "New Pune" }`. The browser's developer tools are open, showing the response in the console.

```
{
  "name": "shubham khot",
  "age": 23,
  "city": "New Pune"
}
```