

# National Textile University, Faisalabad

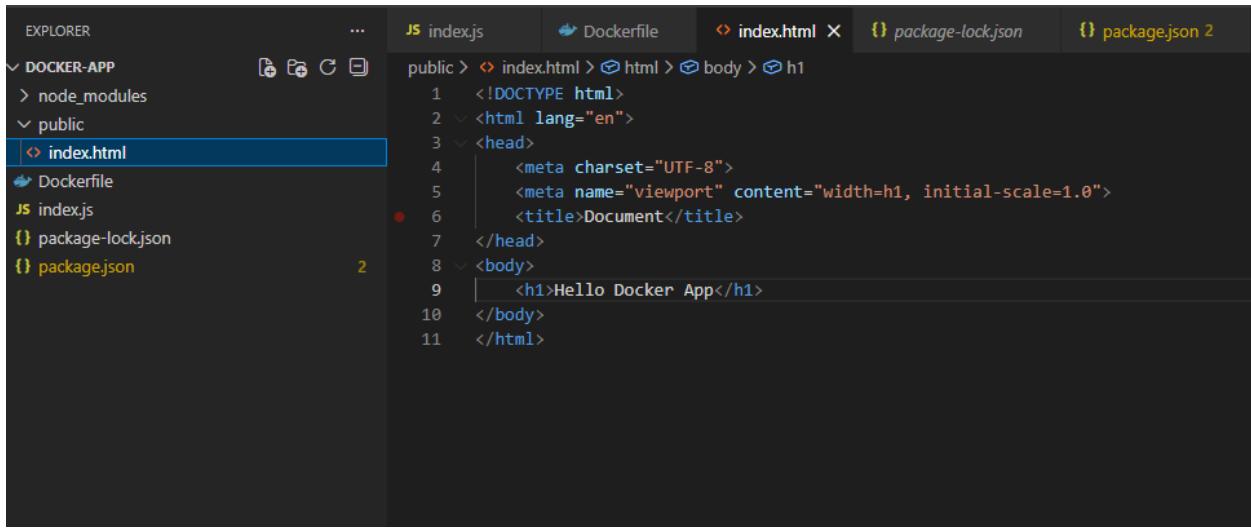


## Department of Computer Science

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Reg. No.	23-NTU-CS-1145
Course	Operating system
Submitted To	Sir Nasir Mehmood
Submission Date	19/12/2025
Lab No.	13

## Lab No. 13 Operating system

### Index.html

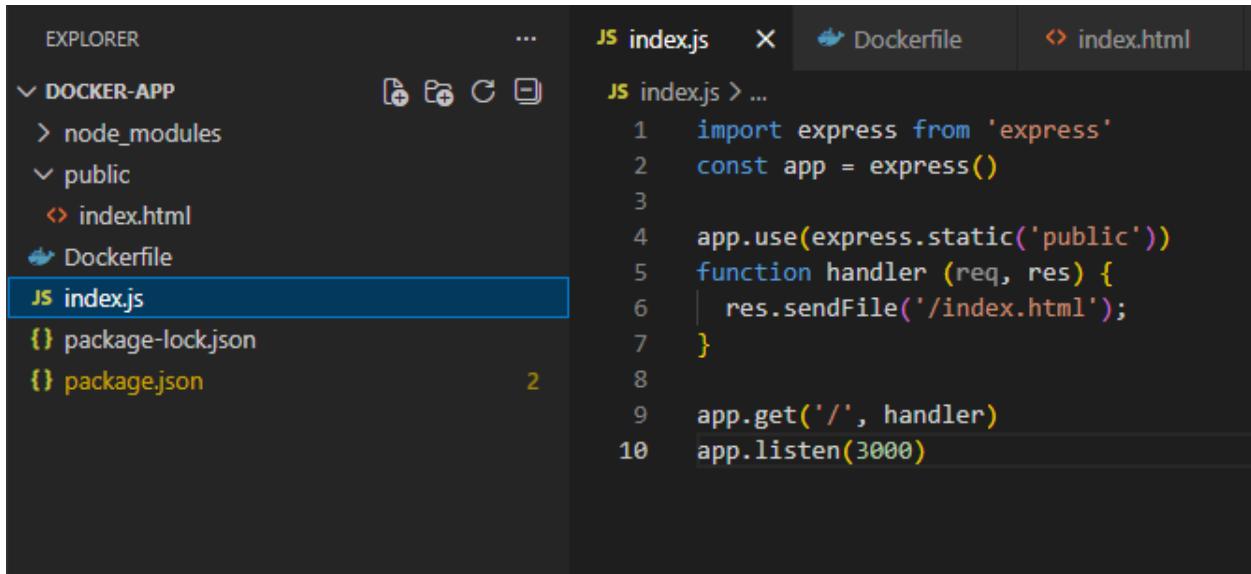


The screenshot shows the VS Code interface with the following details:

- EXPLORER** sidebar: Shows a project named "DOCKER-APP" with subfolders "node\_modules" and "public". Inside "public", there are files "index.html", "Dockerfile", "index.js", "package-lock.json", and "package.json".
- Editor Area:**
  - File tab: index.html
  - Content:

```
public > index.html > html > body > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=h1, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      <h1>Hello Docker App</h1>
10 </body>
11 </html>
```

### Index.js



The screenshot shows the VS Code interface with the following details:

- EXPLORER** sidebar: Shows a project named "DOCKER-APP" with subfolders "node\_modules" and "public". Inside "public", there are files "index.html", "Dockerfile", "index.js", "package-lock.json", and "package.json".
- Editor Area:**
  - File tab: index.js
  - Content:

```
index.js > ...
1 import express from 'express'
2 const app = express()
3
4 app.use(express.static('public'))
5 function handler (req, res) {
6     res.sendFile('/index.html');
7 }
8
9 app.get('/', handler)
10 app.listen(3000)
```

## Terminal Screenshot:

The screenshot shows a terminal window within a code editor interface. The terminal tab is active, displaying the following session:

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/53bx1yxw5cnduh94ks97be3fq
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/53bx1yxw5cnduh94ks97be3fq
PS D:\Docker-App> docker -d -p 3000:3000 my-first-server
unknown shorthand flag: 'd' in -d
unknown shorthand flag: 'd' in -d

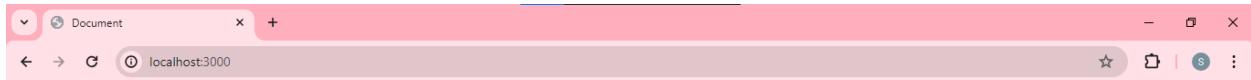
Usage: docker [OPTIONS] COMMAND [ARG...]

Run 'docker --help' for more information
PS D:\Docker-App> docker run -d -p 3000:3000 my-first-server
Run 'docker --help' for more information

Run 'docker --help' for more information
PS D:\Docker-App> docker run -d -p 3000:3000 my-first-server
4daa27853d6ef777dd0e98a0b48fb12cb65bc39b016918dad0a970f18e5ba6e6
PS D:\Docker-App> []
```

The terminal window also shows tabs for index.js, Dockerfile, index.html, package-lock.json, and package.json 2 at the top.

## Output Local host Screenshot:



Hello Docker App

