NATIONAL TEXTILE

UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE

SUBMITTED BY:

Eman Faisal   23-NTU-CS-1149

SECTION SE: 5th (A)

OPERATING SYSTEM-DOCKER-LAB2

SUBMITTED TO:

Sir NASIR MAHMOOD

SUBMISSION DATE:

19 dec'25

Docker file:

```
Dockerfile
1  FROM node:lts-alpine3.23
2  COPY index.js .
3  COPY package.json .
4  COPY public ./public
5  RUN npm i
6  CMD ["node","index.js"]
```

HTML FILE:

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

BUILDING IMAGE:

```
root@DESKTOP-GFUS3VG:/home/emanuser/docker_desktop# docker build -t myserver .
[+] Building 12.3s (10/10) FINISHED                                    docker:default
 => [internal] load build definition from Dockerfile                        0.1s
 => => transferring dockerfile: 153B                                        0.0s
 => [internal] load metadata for docker.io/library/node:lts-alpine3.23      0.4s
 => [internal] load .dockerignore                                           0.0s
 => => transferring context: 2B                                             0.0s
 => CACHED [1/5] FROM docker.io/library/node:lts-alpine3.23@sha256:c921b97d4b74f5174405745  0.1s
 => => resolve docker.io/library/node:lts-alpine3.23@sha256:c921b97d4b74f51744057454b306b4  0.0s
 => [internal] load build context                                          0.1s
 => => transferring context: 544B                                          0.1s
 => [2/5] COPY index.js .                                                  0.1s
 => [3/5] COPY package.json .                                              0.1s
 => [4/5] COPY public ./public                                             0.1s
 => [5/5] RUN npm i                                                        8.4s
```

Accessing on port:

```
root@DESKTOP-GFUS3VG:/home/emanuser/docker_desktop# docker run -d -p 4000:3000 my-server
f50e699eb89f8173ebb6b8d250f066fca8cc7561b3d8aac83477b9b9ecde37c3
```

hello