


EXP NO 10

Index.html (Main Web Page)

```
<> index.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>Docker Deployment Demo</title>
7    <link rel="stylesheet" href="style.css">
8  </head>
9  <body>
10   <div class="container">
11     <h1>This is a sample web page</h1>
12     <p>which shows the demonstration of deploying full stack apps using <span>Docker</span>
13   </div>
14 </body>
15 </html>
16 |
```

Dockerfile (Docker Configuration)

```
 Dockerfile > ...
1  # Use official Nginx image
2  FROM nginx:alpine (last pushed 2 days ago)
3
4  # Copy HTML and CSS files into Nginx web directory
5  COPY . /usr/share/nginx/html
6
7  # Expose port 80
8  EXPOSE 80
9
10 # Nginx will automatically serve index.html by default
11 |
```

styles.css (Basic Styling)

```
# style.css > ...
1  /* Modern minimalist design */
2
3  * {
4      margin: 0;
5      padding: 0;
6      box-sizing: border-box;
7      font-family: "Poppins", sans-serif;
8  }
9
10 body {
11     height: 100vh;
12     display: flex;
13     align-items: center;
14     justify-content: center;
15     background: linear-gradient(135deg, #007bff, #00d4ff);
16     color: #fff;
17 }
18
19 .container {
20     text-align: center;
21     background: rgba(255, 255, 255, 0.1);
22     padding: 40px 60px;
23     border-radius: 20px;
24     backdrop-filter: blur(10px);
25     box-shadow: 0 8px 25px rgba(0, 0, 0, 0.2);
26 }
27
28 h1 {
29     font-size: 2rem;
30     margin-bottom: 10px;
31     font-weight: 600;
32 }
33
34 p {
35     font-size: 1.1rem;
36     letter-spacing: 0.5px;
37 }
38
39 span {
40     font-weight: 600;
41     color: #ffe066;
42 }
43 |
```

Step 1: Open Terminal in VS Code

1. Open VS Code.
2. Navigate to the **GOOM** folder in the terminal:

Step 2: Build the Docker Image

Run this command:

```
docker build -t goom-web-app .
```

Step 3: Run the Container

Run this command:

```
docker run -d -p 8080:80 goom-web-app
```

Open the Web App in Your Browser

Now, open your browser and go to:

<http://localhost:8080>

Output

```
PS C:\Users\INFT509-18\Desktop\goom> docker build -t goom-web-app .
[+] Building 29.2s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 258B
=> [internal] load metadata for docker.io/library/nginx:latest
=> [auth] library/nginx:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/3] FROM docker.io/library/nginx:latest@sha256:9d6b58feebd2dbd3
=> => resolve docker.io/library/nginx:latest@sha256:9d6b58feebd2dbd3
=> => sha256:103f50cb3e9f200431b555078cce5e8df3db6ddc2e54d714a10b994
=> => sha256:943ea0f0c2e42ccacc72ac65701347eadb2b0cb22828fac30f1400b
=> => sha256:d014f02d522d416c7b0e9adb244f14f72f5db3d2ead120264b740e345
```

```
PS C:\Users\INFT509-18\Desktop\goom> docker run -d -p 8080:80 goom-web-app
e4d01a51d640568474f245647a2e8029801da5815fa54c345be533e1e54d8b8a
PS C:\Users\INFT509-18\Desktop\goom> █
```

This is a sample web page

which shows the demonstration of deploying full stack apps using **Docker**.