

Pandit Deendayal Energy University, Gandhinagar

School of Technology

Department of Computer Science & Engineering

Cloud Computing Lab (20CP322P)

B.Tech-Computer Science & Engineering (Sem-VI)

Lab 9 Assignment: Working with DOCKER.

Aim:

- Start Nginx Container
- Bind Mount the Nginx Container
- Edit the Index.html File in Local System (Host Machine)
- Verify the change on Running Container

Step 1: Start Nginx Container

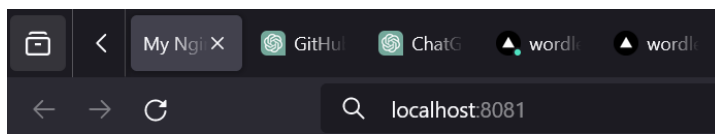
```
pdev2@Dev MINGW64 /  
$ docker run --name my-nginx -d -p 8080:80 nginx  
823f6917b2dc94326a2845dcfa1ee99c0fa0b15eaedf59aac16c16dda6bea1b6
```

Step 2: Bind Mount the Nginx Container

```
pdev2@Dev MINGW64 /  
$ docker run --name my-nginx2 -d -p 8081:80 -v C:\Users\pdev\OneDrive\Desktop\ /usr/share/nginx/html nginx  
4d144e27657bb9cfe40aa8f62dc98bdca59df01820f6178632df21d5d4ecf240
```

Step 3: Edit the Index.html File in Local System (Host Machine)

```
<!DOCTYPE html>  
<html>  
  
<head>  
  <title>My Nginx Webpage</title>  
</head>  
  
<body>  
  <h1>Welcome to My Nginx Webpage!</h1>  
  <p>This is a sample paragraph.</p>  
</body>  
  
</html>
```

Step 4: Verify the change on Running Container

Welcome to My Nginx Webpage!

This is a sample paragraph.