

# Module-3: Docker – I

## Assignment – 5

```
Last login: Tue Feb  4 09:13:07 2025 from 18.206.107.28
ubuntu@ip-172-31-85-113:~$ nano index.html
ubuntu@ip-172-31-85-113:~$ nano Dockerfile
ubuntu@ip-172-31-85-113:~$
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-sca
  <title>My Apache Docker Page</title>
</head>
<body>
  <h1>Welcome to My Dockerized Apache Web Server!</h1>
  <p>This page is running inside a Docker container.</p>
</body>
</html>
```

```
# Use the official Ubuntu base image
FROM ubuntu:latest

# Update system and install Apache2
RUN apt update && apt install -y apache2

# Copy our custom HTML file to Apache's default root directory
COPY index.html /var/www/html/index.html

# Expose port 80 for web traffic
EXPOSE 80

# Start Apache in the foreground
CMD ["apachectl", "-D", "FOREGROUND"]
```

```
root@ip-172-31-85-113:/home/ubuntu# docker build -t myapache .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  16.9kB
Step 1/5 : FROM ubuntu:latest
--> a04dc4851cbc
Step 2/5 : RUN apt update && apt install -y apache2
--> Using cache
--> 1a2898b21d0b
Step 3/5 : COPY index.html /var/www/html/index.html
--> 531680187071
Step 4/5 : EXPOSE 80
--> Running in 2bbad3cdf1de
--> Removed intermediate container 2bbad3cdf1de
--> b34c75a143d6
Step 5/5 : CMD ["apachectl", "-D", "FOREGROUND"]
--> Running in 263ba442bb06
--> Removed intermediate container 263ba442bb06
--> 6479d3f705f9
Successfully built 6479d3f705f9
Successfully tagged myapache:latest
root@ip-172-31-85-113:/home/ubuntu#
```

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## Welcome to My Dockerized Apache Web Server!

This page is running inside a Docker container.