

Module – 3: Docker – I Assignment – 5

You have been asked to:

- Create a sample HTML file
- Use the Dockerfile from the previous task
- Replace this sample HTML file inside the docker container with the default page

```
FROM ubuntu:22.04
ARG DEBIAN_FRONTEND=noninteractive
RUN apt update && apt install -y apache2 vim && apt autoremove -y && apt clean
EXPOSE 80
COPY ./index.html /var/www/html/
RUN service apache2 start
CMD ["apachectl", "-D", "FOREGROUND"]
```

01

```
(base) hartharan@hartharan-home-pc:~/Documents/GitHub/devops-foundation-training/module_3_docker/module_3_assignment_5$ sudo docker build --tag ubuntu_with_apacher2_docker .
Sending build context to Docker daemon  950.3kB
Step 1/7 : FROM ubuntu:22.04
--> 6795c0065f64
Step 2/7 : ARG DEBIAN_FRONTEND=noninteractive
--> Using cache
--> da85b5ba570f
Step 3/7 : RUN apt update && apt install -y apache2 vim && apt autoremove -y && apt clean
--> Using cache
--> 75ae3260d44a
Step 4/7 : EXPOSE 80
--> Using cache
--> da4393b5bc6c
Step 5/7 : COPY ./index.html /var/www/html/
--> 129ee1570e22
Step 6/7 : RUN service apache2 start
--> Running in 66c1075faf48
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.6. Set the 'ServerName' directive globally to suppress this message
*
Removing intermediate container 66c1075faf48
--> 1682670795b4
Step 7/7 : CMD ["apachectl", "-D", "FOREGROUND"]
--> Running in 0e5a8dc57bb1
Removing intermediate container 0e5a8dc57bb1
--> 26c8583a2a17
Successfully built 26c8583a2a17
Successfully tagged ubuntu_with_apacher2_docker:latest
```

02

```
$ sudo docker run --detach --publish=90:80 ubuntu_with_apacher2_docker apachectl -D FOREGROUND
```

03

This text comes from a sample file.

04

1. Prepare this Dockerfile
2. Build the Dockerfile. This will take some time.
3. Run the Docker container in detached mode with command to start apache2 service in foreground
4. In the hot maching, open the browser and point to <http://localhost:90> and the default apache2 page must be shown.