# Module 3: Docker Part 1 Assignment - 5

1. Create a sample HTML file.
**Solution**:- HTML file sample:-

# vi index.html

```
root@ip-172-31-93-103:/home/ubuntu# vi index.html
```

```html
<html>
        <head>
                <title>
                        Jay Shree Hari
                </title>
        </head>
        <body>
                <b>Jay Shree Ram</b>
                <b>Om Namha Shivaye</b>
        </body>
</html>
```

```
<html>
        <head>
                <title>
                        Jay Shree Hari
                </title>
        </head>
        <body>
                <b>Jay Shree Ram</b>
                <b>Om Namha Shivaye</b>
        </body>
</html>
~
~
~
~
~
~
~
~
~
~
~
"index.html" 11L, 137B
```

2. Use the Dockerfile from the previous task'
**Solution**:-

# vi Dockerfile

```
root@ip-172-31-93-103:/home/ubuntu# vi Dockerfile
```

* This is Dockerfile content:-

FROM ubuntu
RUN apt update
RUN apt install apache2 -y
RUN apt install -y apache2-utils
CMD ["apache2ctl", "-D", "FOREGROUND"]

```
FROM ubuntu
RUN  apt  update
RUN  apt  install  apache2  -y
RUN  apt  install  -y  apache2-utils
CMD  ["apache2ctl",  "-D",  "FOREGROUND"]
~
~
~
```

3. Replace this sample HTML file inside the Docker container with the default Page.
**Solution**:-

* This is Dockerfile content in this we replace the html file default page with sample html file inside the docker container :-

FROM ubuntu
RUN apt update
RUN apt install apache2 -y
RUN apt install -y apache2-utils
COPY . /var/www/html/
RUN service apache2 start
CMD ["apache2ctl", "-D", "FOREGROUND"]

```
FROM ubuntu
RUN apt update
RUN apt install apache2 -y
RUN apt install -y apache2-utils
COPY . /var/www/html/
RUN service apache2 start
CMD ["apache2ctl", "-D", "FOREGROUND"]
~
~
```

# docker build -t img_html .

```
root@ip-172-31-93-103:/home/ubuntu# docker build -t img_html .
Sending build context to Docker daemon   13.31kB
Step 1/7 : FROM ubuntu
 ---> 5a81c4b8502e
Step 2/7 : RUN apt update
 ---> Running in 3cdec82da3ac
```

# docker images

```
root@ip-172-31-93-103:/home/ubuntu# docker images
REPOSITORY      TAG         IMAGE ID         CREATED          SIZE
img_html        latest      3ba60b244ac9     10 minutes ago   228MB
ubuntu          latest      5a81c4b8502e     5 weeks ago      77.8MB
```

# docker run -td --name con_html -p 80:80 img_html /bin/bash

```
root@ip-172-31-93-103:/home/ubuntu# docker run -td --name con_html -p 80:80 img_
html /bin/bash
afdd97dca5cb59ca8549d908f6cbe3101e8514cab360158f07a040eb3029576b
```

# docker exec -it afdd97dca5cb /bin/bash
# service apache2 status

```
root@ip-172-31-93-103:/home/ubuntu# docker exec -it afdd97dca5cb /bin/bash
root@afdd97dca5cb:/# service apache2 status
 * apache2 is not running
```

# service apache2 start

```
root@afdd97dca5cb:/# service apache2 start
 * Starting Apache httpd web server apache2
```

# service apache2 status

```
root@afdd97dca5cb:/# service apache2 status
 * apache2 is running
```

* Page link:-

http://3.87.220.2:80/