Module 3: Docker Part 1 Assignment5

1. Create a sample HTML file
   - A sample index.html file is created

```html
<html>
        <title>"Venkata Narayana"</title>
        <body>"Hello World"</body>
</html>
```

2. Use the Dockerfile from the previous task
   - The docker file from the previous task

```
ubuntu@ip-172-31-45-255:~$ cat dockerfile
FROM ubuntu
RUN apt-get update
RUN apt-get -y  install apache2
CMD apachectl -D FOREGROUND
ENV name venkat

ubuntu@ip-172-31-45-255:~$
```

3. Replace this sample HTML file inside the Docker container with the default page

   Replacing the sample html file in the container through docker file by ADD command

```
FROM ubuntu
RUN apt-get update
RUN apt-get -y  install apache2
ADD index.html /var/www/html/index.html
CMD apachectl -D FOREGROUND
ENV name venkat

~
```

- An image is built from the docker file created by docker build command

```
ubuntu@ip-172-31-45-255:~$ ls
dockerfile  index.html  snap
ubuntu@ip-172-31-45-255:~$ docker build . -t venkat/image1
[+] Building 19.6s (9/9) FINISHED
 => [internal] load build definition from dockerfile
 => => transferring dockerfile: 187B
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load metadata for docker.io/library/ubuntu:latest
 => [1/4] FROM docker.io/library/ubuntu
 => [internal] load build context
 => => transferring context: 116B
 => [2/4] RUN apt-get update
 => [3/4] RUN apt-get -y  install apache2
 => [4/4] ADD index.html /var/www/html/index.html
 => exporting to image
 => => exporting layers
 => => writing image sha256:a93794282f6431d2f10a15971b78b565fcdaa9c1c09ad1d9ca342d4d3807375c
 => => naming to docker.io/venkat/image1
ubuntu@ip-172-31-45-255:~$ docker images
REPOSITORY                    TAG            IMAGE ID       CREATED          SIZE
venkat/image1                 latest         a93794282f64   33 seconds ago   233MB
venkat/ubuntu                 assign3        4588260aa3e7   2 hours ago      233MB
venkat/ubuntu                 latest         4588260aa3e7   2 hours ago      233MB
venkatnarayan16/first-repo    assignment3    4588260aa3e7   2 hours ago      233MB
ubuntu                        latest         174c8c134b2a   9 days ago       77.9MB
kevin/custom                  latest         aca5d3f07411   2 weeks ago      240MB
```