Name of the Student: Prakhar Anil Sharma **PRN:** 20220801121

Title of Practical: Run and Verify a hello world Docker Container: Observe Output and Container State

Step 1] To Pull one image and run it and observe the output :

Enter the following commands –

- docker images .
- docker run hello-world .
- docker images .

```
root@ip-172-31-9-163:~# docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
root@ip-172-31-9-163:~# docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
e6590344b1a5: Pull complete
Digest: sha256:d715f14f9eca81473d9112df50457893aa4d099adeb4729f679006bf5ea12407
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
```

Step 6] Verify Container output and creation :

To verify container output and creation, run the below commands-

- docker container ls .

Name of the Student: Prakhar Anil Sharma **PRN:** 20220801121

Title of Practical: Run and Verify a hello world Docker Container: Observe Output and Container State

- docker container ls -a .

```
root@ip-172-31-9-163: ~
To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

root@ip-172-31-9-163:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED      SIZE
hello-world   latest    74cc54e27dc4   4 days ago   10.1kB
root@ip-172-31-9-163:~# docker container ls
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
root@ip-172-31-9-163:~# docker container ls -a
CONTAINER ID   IMAGE         COMMAND    CREATED              STATUS                          PORTS     NAMES
ce7b18ea5e99   hello-world   "/hello"   About a minute ago   Exited (0) About a minute ago             stupefie
d_banzai
root@ip-172-31-9-163:~#
```