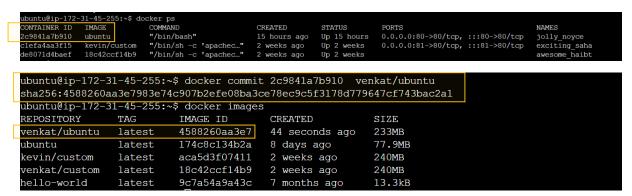
Module 3: Docker Part 1 Assignment-2

- 1. Save the image created in assignment 1 as a Docker image
 - The container created previously is saved as a image naming venkat/ubuntu



- 2. Launch container from this new image and map the port to 81
 - a container named assignment2 is launched with the image created in previous step

```
ubuntu@ip-172-31-45-255:-$ docker run --name assignment2 -it -p 81:80 -d 4588260aa3e7

37d449372f4e3af70f1545ac538298492ae227f2122db3735597161993766611

ubuntu@ip-172-31-45-255:-$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS

37d449372f4e 4588260aa3e7 "/bin/bash" 37 seconds ago Up 35 seconds 0.0.0.0:81->80/tcp, :::81->80/tcp assignment2

2c9841a7b910 ubuntu "/bin/bash" 15 hours ago Up 15 hours 0.0.0.0:80->80/tcp, :::80->80/tcp jolly_noyce de8071d4baef 18c42ccf14b9 "/bin/sh -c 'apachec..." 2 weeks ago Up 2 weeks
```

- 3. Go inside the container and start the Apache2 service
 - Navigated inside the containe and packages are updated and apache2 service is installed using "apt get install apache2"

```
ubuntu@ip-172-31-45-255:~$ docker exec -it 37d449372f4e /bin/bash
root@37d449372f4e:/# apt get update
E: Invalid operation get
root@37d449372f4e:/# apt update
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Fetched 229 kB in 1s (336 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
```

• Apache 2 service is started inside the container

```
root@37d449372f4e:/# service apache2 start

* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.4. Set the 'ServerName' directive glo bally to suppress this message

* root@37d449372f4e:/# service apache2 status

* apache2 is running
root@37d449372f4e:/# [
```

4. Check if you are able to access it on the browser

• Accessing apache2 from local browser is successful.

