

## Tasks To Be Performed:

1. Save the image created in assignment 1 as a Docker image
2. Launch container from this new image and map the port to 81
3. Go inside the container and start the Apache2 service
4. Check if you are able to access it on the browser

### 1. Save the image created in assignment 1 as a Docker image

```
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
0692e2bdfcfa  ubuntu:latest  "/bin/bash"             11 minutes ago Up 11 minutes  0.0.0.0:80->80/tcp, [::]:80->80/tcp  ubuntu-apache
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker images
REPOSITORY    TAG          IMAGE ID          CREATED        SIZE
ubuntu        latest      ce8f79aecc43     8 days ago    78.1MB
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache#

root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker commit ubuntu-apache dockerimage:v1
sha256:49890da32a4490e3dc46660ca264fc59481b975ae881485e9c9dbf0bbbd52075
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker images
REPOSITORY    TAG          IMAGE ID          CREATED        SIZE
dockerimage   v1          49890da32a44     7 seconds ago  247MB
ubuntu        latest      ce8f79aecc43     8 days ago    78.1MB
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache#
```

### 2. Launch container from this new image and map the port to 81

```
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker run -it -d -p 81:80 --name apache81 dockerimage:v1
29afbc0031aa511a9dba4568ade6b9554f24352570af9bfb5a0939ce81fe2171
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache#

root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
29afbc0031aa  dockerimage:v1  "/bin/bash"             22 seconds ago Up 21 seconds  0.0.0.0:81->80/tcp, [::]:81->80/tcp  apache81
0692e2bdfcfa  ubuntu:latest  "/bin/bash"             23 minutes ago Up 23 minutes  0.0.0.0:80->80/tcp, [::]:80->80/tcp  ubuntu-apache
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache#
```

### 3. Go inside the container and start the Apache2 service

```
root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker exec -it apache81 bash
root@29afbc0031aa:/#

root@ip-172-31-29-140:/home/ubuntu/ubuntu-apache# docker exec -it apache81 bash
root@29afbc0031aa:/# apache2ctl -D FOREGROUND
```

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

