# Docker – I Assignment - 2

## You have been asked to:

- Save the image created in Assignment 1 as a Docker image.
- Launch the container from this new image and map the port to 81.
- Go inside the container and start the apache2 service.
- Check if you can access it on the browser.

## Answer

Save the existing image.

```
aravi@techarkit-ubuntu:~$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND       CREATED
STATUS          PORTS                                   NAMES
1a7657486556   ubuntu    "/bin/bash"   22 minutes ago   Up 22
minutes   0.0.0.0:80->80/tcp, :::80->80/tcp
inspiring_cartwright

aravi@techarkit-ubuntu:~$ sudo docker commit 1a7657486556
ravi-apache2
sha256:d299d1c4514c3399c3b5597eac9e458c42ebb7a658af4b3fe6b2f3
56d9072689

aravi@techarkit-ubuntu:~$ sudo docker images
REPOSITORY     TAG       IMAGE ID       CREATED          SIZE
ravi-apache2   latest    d299d1c4514c   6 seconds ago    232MB
ubuntu         latest    e4c58958181a   5 weeks ago
77.8MB
```

Launch a new Docker instance using the new image that we saved using the above commands.

```
aravi@techarkit-ubuntu:~$ sudo docker run -it -d -p 81:80
ravi-apache2
ee6ea38e1a1094088b7668fbc515409b4cddd6f22e3508aee093fea8f8e02
02c

aravi@techarkit-ubuntu:~$ sudo docker ps -a
CONTAINER ID   IMAGE          COMMAND       CREATED
STATUS          PORTS
NAMES
ee6ea38e1a10   ravi-apache2   "/bin/bash"   6 seconds ago
Up 5 seconds    80/tcp, 0.0.0.0:81->81/tcp, :::81->81/tcp
wonderful_ganguly
```

```
1a7657486556   ubuntu          "/bin/bash"   28 minutes ago
Up 28 minutes   0.0.0.0:80->80/tcp, :::80->80/tcp
inspiring_cartwright
```

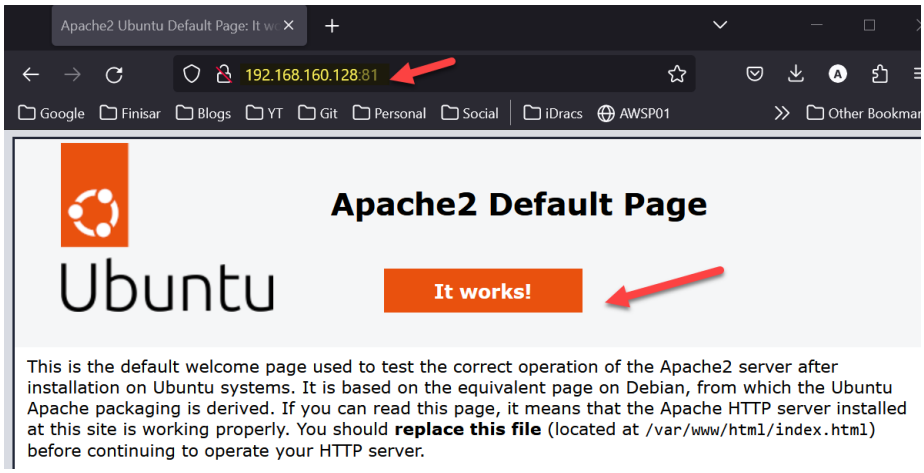
Go inside the container and start the Apache2 Service

```
aravi@techarkit-ubuntu:~$ sudo docker exec -it ee6ea38e1a10
/bin/bash

root@ee6ea38e1a10:/# service apache2 status
 * apache2 is not running

root@ee6ea38e1a10:/# service apache2 start
 * Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's
fully qualified domain name, using 172.17.0.3. Set the
'ServerName' directive globally to suppress this message
 *

root@ee6ea38e1a10:/# service apache2 status
 * apache2 is running
```




Able to access the Apache web page using port 81 successfully.