Phase-5 Practice Project: Assisted Practice

- 1. Build a Custom Docker Image.
- ✓ Clone Git repository
- First, clone the Git repository on a Docker host using the command below:

git clone https://github.com/siri10080/Docker.git

- ✓ Docker Build
- Then, proceed with the docker build command to build a custom docker image.

cd Docker

dockerbuild -t phpcode . -f Dockerfile

```
oot@docker:~/Docker# docker build -t phpcode
Sending build context to Docker daemon 337.9kB
Step 1/14 : FROM ubuntu
  --> 93fd78260bd1
Step 2/14 : ENV DEBIAN FRONTEND=non-interactive
  --> Using cache
  --> b21eb69f632a
Step 3/14 : RUN apt-get update -y
  --> Using cache
 ---> d2e4866734b9
Step 4/14 : RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
  --> Using cache
  --> 85f084edfc0b
Step 5/14 : RUN rm -rf /var/www/html/*
   -> Using cache
  --> b56166da0f16
Step 6/14 : ADD src /var/www/html/
  --> Using cache
 ---> ba9e5c5c651c
Step 7/14 : RUN a2enmod rewrite
  --> Using cache
 ---> cff3e4bb8c42
Step 8/14 : RUN chown -R www-data:www-data /var/www/html
   -> Using cache
  -> 7a4314c7b69b
Step 9/14 : ENV APACHE_RUN_DIR /var/www/html
  -> Using cache
   -> 663a68663f90
```

• Once the image is built, check the image using docker run command and then run it to initialize custom container on Docker host. docker images

docker run -d --name phpcode -p 80:80 phpcode

```
Step 10/14 : ENV APACHE_RUN_USER www-data
---> Using cache
---> 2915860f4df7
Step 11/14 : ENV APACHE_RUN_GROUP www-data
 ---> Using cache
 ---> c83847b098df
Step 12/14 : ENV APACHE LOG DIR /var/log/apache2
 ---> Using cache
  --> c4428c1a14db
Step 13/14 : EXPOSE 80
 ---> Using cache
---> 7374debb3213
Step 14/14 : CMD ["/usr/sbin/apache2", "-D", "FOREGROUND"]
 ---> Using cache
 ---> d35edda13537
Successfully built d35edda13537
Successfully tagged phpcode:latest root@ip-172-31-25-208:~/Docker#
root@ip-172-31-25-208:~/Docker# docker images
REPOSITORY TAG
                                  IMAGE ID
d35edda13
                                                                      CREATED
                                                                                              SIZE
                                              d35edda13537
                                                                                              291MB
                       latest
                                                                      20 minutes ago
phpcode
                                              a51debf7e1eb
                                                                       7 days ago
                                                                                              116MB
ubuntu
root@ip-172-31-25-208:~/Docker#
```

• Once the container is up and running, validate the connectivity using the **curl** command to see if **php code** is running on port 80 or not.