STEP 1

sudo amazon-linux-extras install epel

yum install docker-compose

sudo curl -L https://raw.githubusercontent.com/docker/compose/1.23.1/contrib/completion/bash/docker-compose -o /etc/bash_completion.d/docker-compose

chmod +x /usr/local/bin/docker-compose

cd /home/ec2-user

vi Dockerfile

```
FROM centos:latest
LABEL Maintainer=root.deep@gmail.com

RUN yum install -y httpd
RUN echo "our container website " >> /var/www/html/index.html

EXPOSE 80

CMD  ["-D","FOREGROUND"]

ENTRYPOINT ["apachectl"]
```

Docker build, docker run , docker ps

STEP 2

We shall now do the same with docker -compose (NO CAPS, ALL SMALL LETTERS)

vim docker-compose.yml

```
version: "3"
Services:
Apiweb1:
image: myhttpd:v1
build: .
Ports:
- "81:80"
Apiweb2:
image: myhttpd:v1
Ports:
- "82:80"
Load-balancer:
image: nginx:latest
Ports:
- "80:80"
```

```
docker-compose up

Docker ps -a

docker-compose ps
docker-compose down --volumes

If the same want to be implemented in swarm mode

Go to swarm manager
docker stack deploy --compose-file docker-compose.yml mycustomstack
docker service ls
docker service ps mycustomstack_load-balancer
```