Create Machine

update the machine
sudo apt-get install docker.io -y
sudo docker pull ubuntu
sudo docker images
sudo docker ps
sudo docker run -itd -p 81:80 ubuntu
sudo docker exec container-id bash
apt-get update -y
apt-get install apache2 -y
service apache2 start
service apache2 status
exit

create image for container

sudo docker commit container-id task2
sudo docker images
sudo docker run -itd -p 82:80 task2
sudo docker ps
sudo docker exec -it container-id bash
service apache2 start
service apache2 status

Create Dockerfile and create container

sudo nano dockerfile

```
FROM ubuntu
RUN apt-get update -y
RUN apt-get install apache2 -y
ENTRYPOINT apachectl -D FOREGROUND
```

```
sudo docker build -f dockerfile -t image-name .
sudo docker images
sudo docker run -itd -p 83:80 image-name
```

Create Dockerfile and and put index.html

```
sudo nano dockerfile
```

```
FROM ubuntu
RUN apt-get update -y
RUN apt-get install apache2 -y
COPY index.html /var/www/html
ENTRYPOINT apachectl -D FOREGROUND
```

```
sudo nano index.html
```

```
sudo docker build -f dockerfile -t newimage .
sudo docker images
sudo docker run -itd -p 86:80 newimage
```