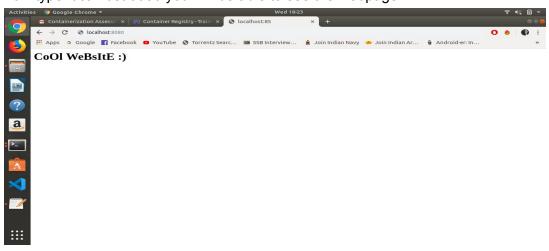
```
Question 1:
1)
DOCKERFILE:
FROM ubuntu
RUN apt-get update \
  && apt-get install nginx -y \
  && echo "daemon off;" >> /etc/nginx/nginx.conf
RUN mkdir -p /run/nginx
ADD index.html /usr/share/nginx/html/
ADD default /etc/nginx/sites-available/
EXPOSE 80
CMD ["nginx"]
2)
Default file has:
server {
       listen 80 default_server;
       listen [::]:80 default_server;
       root /usr/share/nginx/html;
       index index.html index.htm index.nginx-debian.html;
       server_name _;
       location / {
              try_files $uri $uri/ =404;
       }
}
3)
Now build the image from docker as:
```

Docker build -t nginx .

```
kishan@Quantiphi-911: ~/Desktop/Containerization_assignment/Question1
                                                                       File Edit View Search Terminal Help
kishan@Quantiphi-911:~/Desktop/Containerization_assignment/Question1$ docker bui
ld -t kishan-nginx .
Sending build context to Docker daemon 6.144kB
Step 1/7 : FROM ubuntu
---> 3556258649b2
                                Step 2/7 : RUN apt-get update
fn off;" >> /etc/nginx/nginx.conf
---> Using cache
 ---> f09bb7289039
Step 3/7 : RUN mkdir -p /run/nginx
 ---> Using cache
 ---> da722d285e8a
Step 4/7 : ADD index.html /usr/share/nginx/html/
---> Using cache
 ---> 58417f1b2815
Step 5/7 : ADD default /etc/nginx/sites-available/
 ---> Using cache
 ---> d8df9fe31241
Step 6/7 : EXPOSE 80
 ---> Using cache
 ---> 1ea40ad5945c
"Step 7/7 : CMD ["nginx"]
 ---> Using cache
C ---> 31896dh41a12
```

4)
Now run the image:
Docker run -d -p 8080:80 nginx

Now type localhost:8080 you will be able to see the webpage



5) Now run bash in container:

Docker exec -it <container name> bash

6)

Now install the nano by running:

Apt-get install nano

7)

Commit the container by :

Docker commit <container name> rathorekishan0/nginx

Push the committed image by:

Docker push rathorekishan0/nginx

```
sha256:8958b26640dd68913c9f310cc43d21fc2c494639e38573ee294c478cd400e991
kishan@Quantiphi-911:~/Desktop/Containerization_assignment/Question1$ docker pus
h rathorekishan0/kishannginx
The push refers to repository [docker.io/rathorekishan0/kishannginx]
4d6281869e8e: Pushed
8c8162c0d541: Mounted from rathorekishan0/nginx
8a6c628e5707: Mounted from rathorekishan0/nginx
a5deb29d52b8: Mounted from rathorekishan0/nginx
021c4a627174: Mounted from rathorekishan0/nginx
b079b3fa8d1b: Mounted from rathorekishan0/nginx
a31dbd3063d7: Mounted from rathorekishan0/nginx
c56e09e1bd18: Mounted from rathorekishan0/nginx
543791078bdb: Mounted from rathorekishan0/nginx
latest: digest: sha256:2bf384739ef370e1ba09e11adf45e00c5789920bb9439c6194f2f4624
f2cfa4c size: 2193
kishan@Quantiphi-911:~/Desktop/Containerization_assignment/Question1$
```

8)

Push image to gcr by:

Docker tag <image name> gcr.io/pe-training/kishannginx:latest

Push to gcr:

Docker push gcr.io/pe-training/kishannginx:latest

```
Tags
Reports
Limits
Limits
Limits
Limits
Reports
Limits
L
```

Pushing to ecr:

root@ip-172-31-89-213: /home/ubuntu File Edit View Search Terminal Help root@ip-172-31-89-213:/home/ubuntu# \$(aws ecr get-login --no-include-email --reg ion us-east-1) WARNING! Using --password via the CLI is insecure. Use --password-stdin. WARNING! Your password will be stored unencrypted in /root/.docker/config.json. Configure a credential helper to remove this warning. See https://docs.docker.com/engine/reference/commandline/login/#credentials-store Login Succeeded root@ip-172-31-89-213:/home/ubuntu# docker push 488599217855.dkr.ecr.us-east-1.a mazonaws.com/kishannginx:latest The push refers to repository [488599217855.dkr.ecr.us-east-1.amazonaws.com/kish annginx] 4d6281869e8e: Pushed 8c8162c0d541: Pushed 8a6c628e5707: Pushed a5deb29d52b8: Pushed 021c4a627174: Pushed b079b3fa8d1b: Pushed a31dbd3063d7: Pushed c56e09e1bd18: Pushed 543791078bdb: Pushed latest: digest: sha256:2bf384739ef370e1ba09e11adf45e00c5789920bb9439c6194f2f4624 f2cfa4c size: 2193 root@ip-172-31-89-213:/home/ubuntu#