

## Question 1

Step 1 :

Create a docker file from Ubuntu as a base docker image.

Step 2 :

Update apt-get and install nginx in your docker.

Step 3 :

Add your index.html file at /usr/share/nginx/html/ as we have changed the root directory in default.

Step 4 :

Change the root directory in default and add it to /etc/nginx/sites-available/

Step 5 :

Expose 80 port for your docker.

Step 6 :

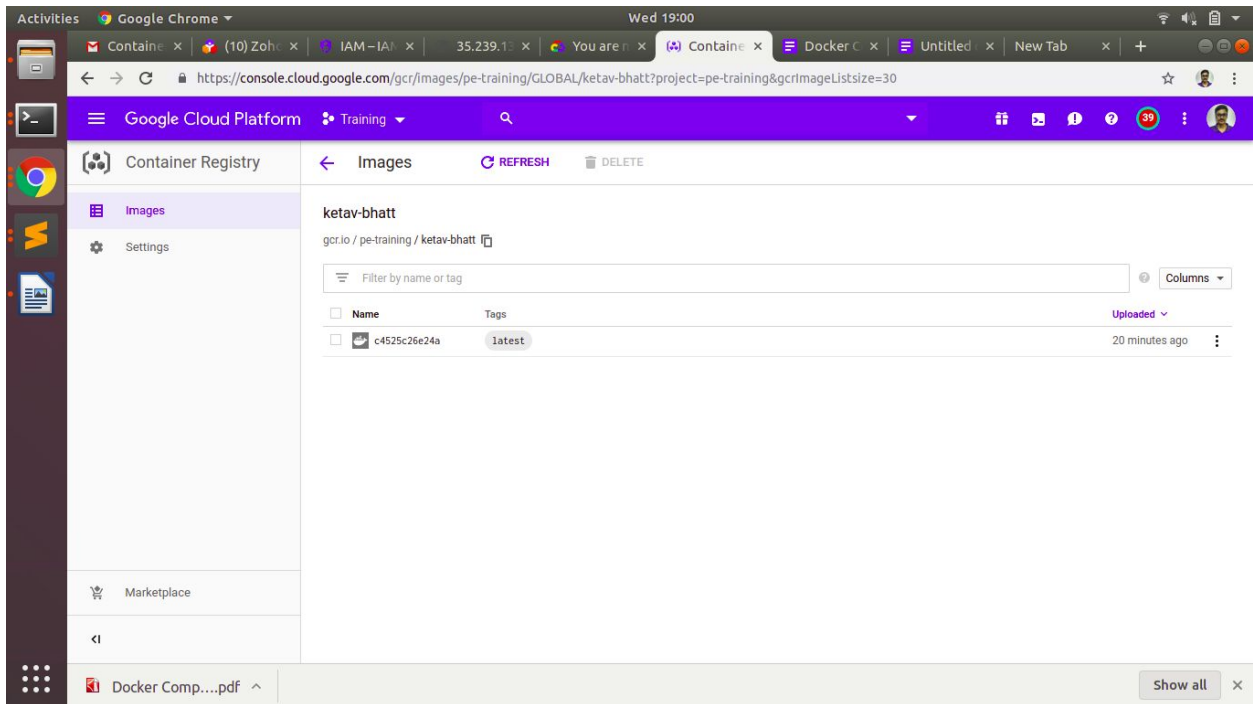
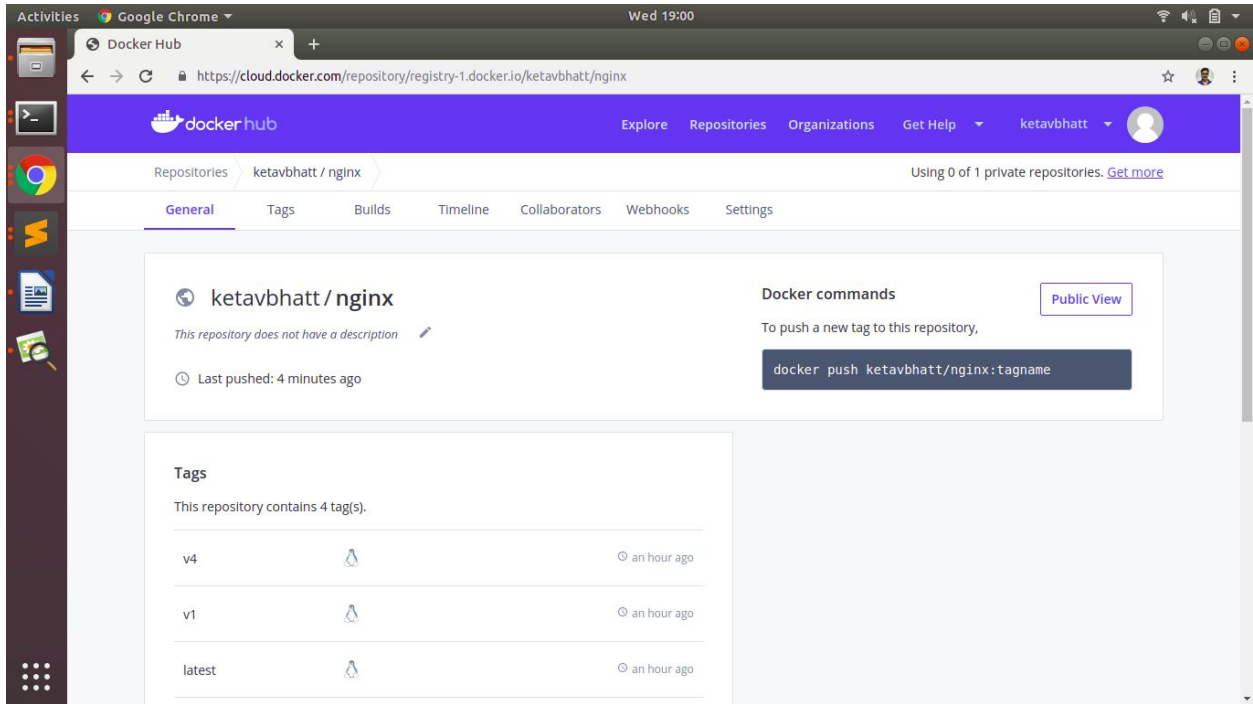
Start nginx service.

Step 7 :

Build and run on port 8080.

Step 8 :

Commit and push your docker file on docker hub, gcr and ecr.



```

ubuntu@ip-172-31-35-195:~$ sudo docker images
REPOSITORY                                TAG                IMAGE ID           CREATED           SIZE
488599217855.dkr.ecr.us-east-1.amazonaws.com/krutik   latest            4315a9eec9d8      16 hours ago     151MB
krutikmenkudle/qinglinx                          latest            4315a9eec9d8      16 hours ago     151MB
ketavbhatt/nginx                                latest            520921205f3e      17 hours ago     151MB
semiljain/semil-nginx                            latest            e0d0f9458195      21 hours ago     177MB
yashrajpgangal/yr-nginx                          latest            e0d0f9458195      21 hours ago     177MB
488599217855.dkr.ecr.us-east-1.amazonaws.com/semiljain latest            e0d0f9458195      21 hours ago     177MB
488599217855.dkr.ecr.us-east-1.amazonaws.com/yr-nginx latest            e0d0f9458195      21 hours ago     177MB
ubuntu@ip-172-31-35-195:~$ sudo $(aws ecr get-login --no-include-email --region us-east-1)
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ubuntu@ip-172-31-35-195:~$ sudo docker tag ketavbhatt/nginx 488599217855.dkr.ecr.us-east-1.amazonaws.com/ketav:latest
ubuntu@ip-172-31-35-195:~$ sudo docker push 488599217855.dkr.ecr.us-east-1.amazonaws.com/ketav:latest
The push refers to repository [488599217855.dkr.ecr.us-east-1.amazonaws.com/ketav]
b1ca85ad5e35: Pushed
459de8db689a: Pushed
87a4e008d50d: Pushed
33ca36c538eb: Pushed
b079b3fa8d1b: Pushed
a31dbd3063d7: Pushed
c56e09e1bd18: Pushed
543791078bdb: Pushed
latest: digest: sha256:c4525c26e24aeacab97871635d387c875a783d05408cbdefe0c32680870ce5cd size: 1986
ubuntu@ip-172-31-35-195:~$

```