Containerisation Assignment

Q1.

Create dockerfile to install Nginx using ubuntu base image and installing command of Nginx.
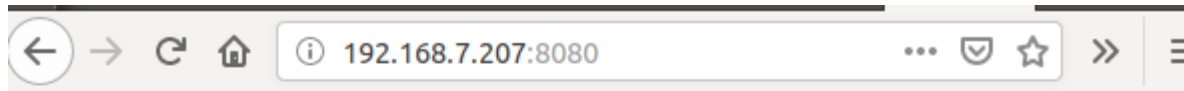   Add custom index html file to *usr/*share/nginx/html/
      Change the root path in default file to *usr/*share/nginx/html
      ADD default file /etc/nginx/sites-available/
Files are attached in folder.
Open Browser and check port 8080.

Hello Jayesh!

Run Docker container
Exec Container with bash
Install Nano


```
oot@8aa8bb40bf6e:/var/www/html# apt-get install nano
eading package lists... Done
uilding dependency tree
eading state information... Done
uggested packages:
  spell
he following NEW packages will be installed:
  nano
 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
eed to get 191 kB of archives.
fter this operation, 700 kB of additional disk space will be used.
et:1 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 nano amd64 2.5.3-2ubuntu2 [191 kB]
etched 191 kB in 0s (3178 kB/s)
ebconf: delaying package configuration, since apt-utils is not installed
electing previously unselected package nano.
Reading database ... 5463 files and directories currently installed.)
reparing to unpack .../nano_2.5.3-2ubuntu2_amd64.deb ...
npacking nano (2.5.3-2ubuntu2) ...
etting up nano (2.5.3-2ubuntu2) ...
pdate-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto mode
pdate-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mode
oot@8aa8bb40bf6e:/var/www/html#
```

Push Docker image to Docker-Hub.

```
jayesh@Quantiphi-926:~$ docker tag jay-nginx jayeshpujare/jay-nginx
jayesh@Quantiphi-926:~$ docker push jayeshpujare/jay-nginx
The push refers to repository [docker.io/jayeshpujare/jay-nginx]
8767272dbe30: Pushed
fa78db60df7c: Pushed
e7c86353b892: Pushed
c394975e53f1: Pushed
b079b3fa8d1b: Mounted from library/ubuntu
a31dbd3063d7: Mounted from library/ubuntu
c56e09e1bd18: Mounted from library/ubuntu
543791078bdb: Mounted from library/ubuntu
latest: digest: sha256:db63fbf20c3adeb863cd755c46444e1d7406d15471408b095556b7107ac2c740 size: 1986
jayesh@Quantiphi-926:~$
```

Push image to GCR

```
jayesh@Quantiphi-926:~$ docker tag jay-nginx gcr.io/pe-training/jay-nginx
jayesh@Quantiphi-926:~$ docker tag jay-nginx gcr.io/pe-training/jay-nginx:latestjayesh@Quantiphi-926:~$ docker push gcr.io/pe-training/jay-nginx:latest
The push refers to repository [gcr.io/pe-training/jay-nginx]
8767272dbe30: Pushed
fa78db60df7c: Pushed
e7c86353b892: Pushed
c394975e53f1: Pushed
b079b3fa8d1b: Layer already exists
a31dbd3063d7: Layer already exists
c56e09e1bd18: Layer already exists
543791078bdb: Layer already exists
latest: digest: sha256:db63fbf20c3adeb863cd755c46444e1d7406d15471408b095556b7107ac2c740 size: 1986
```