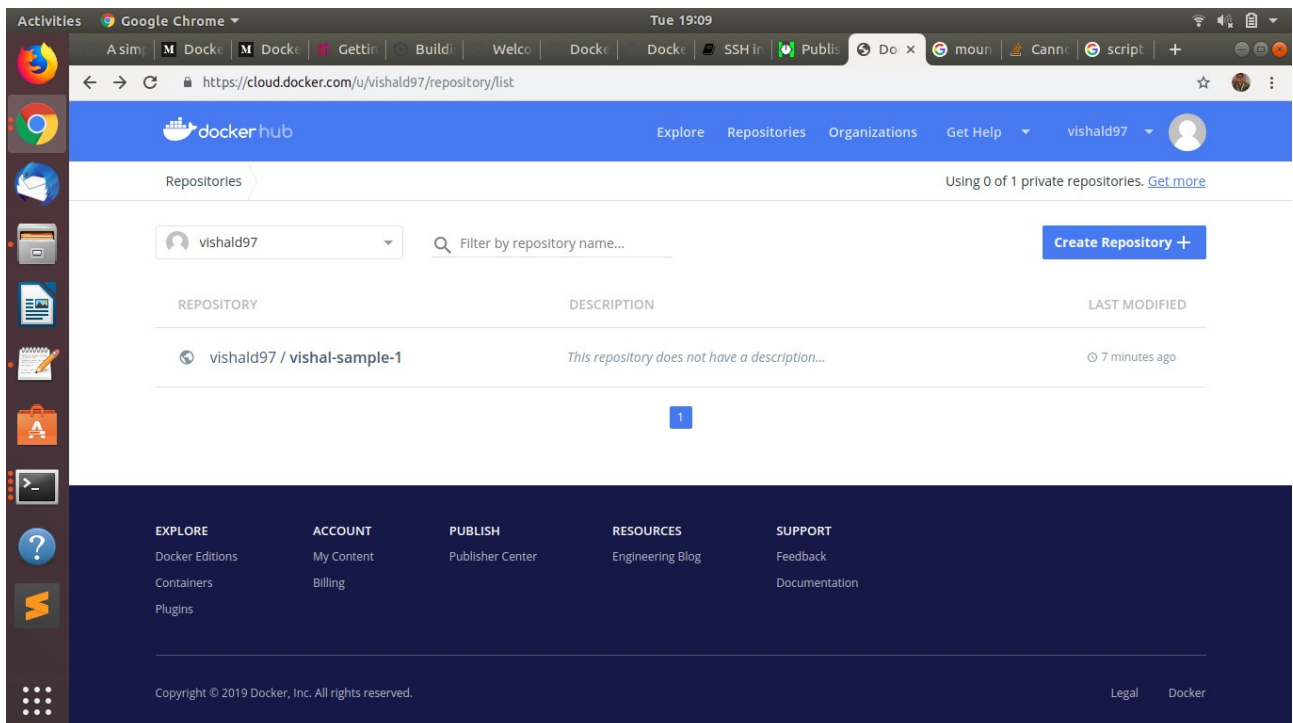


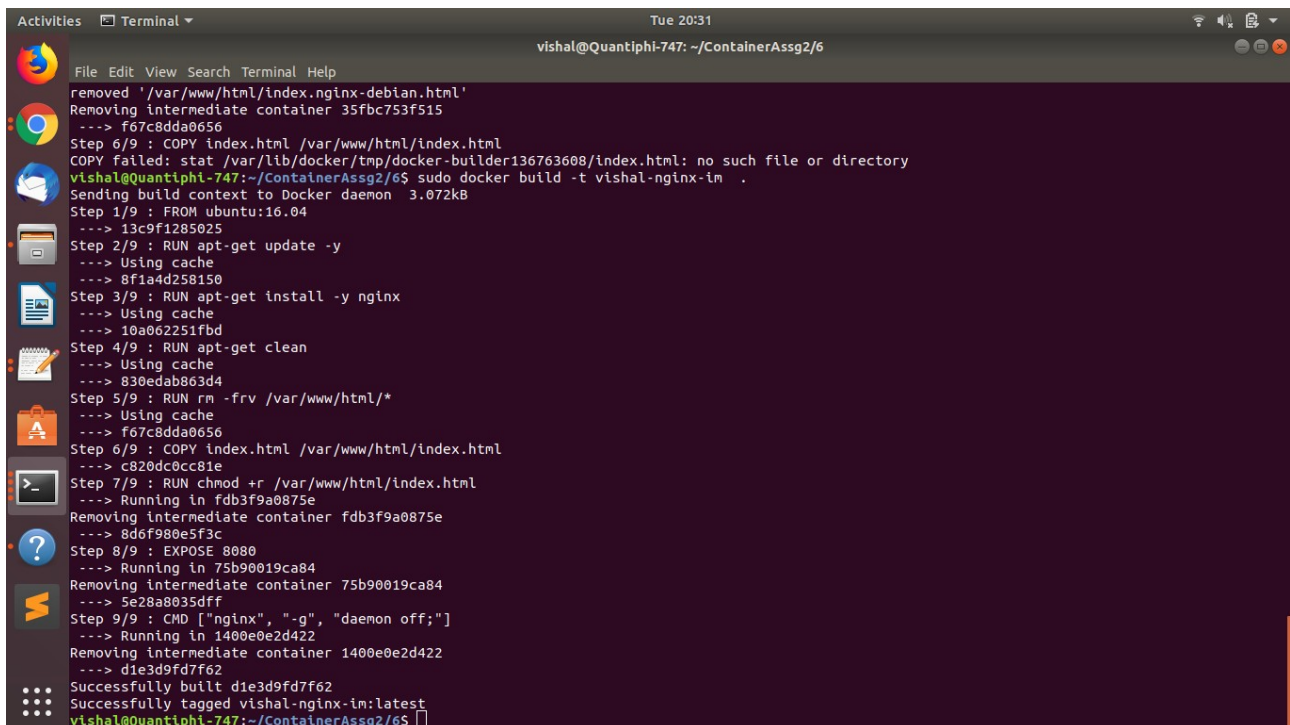
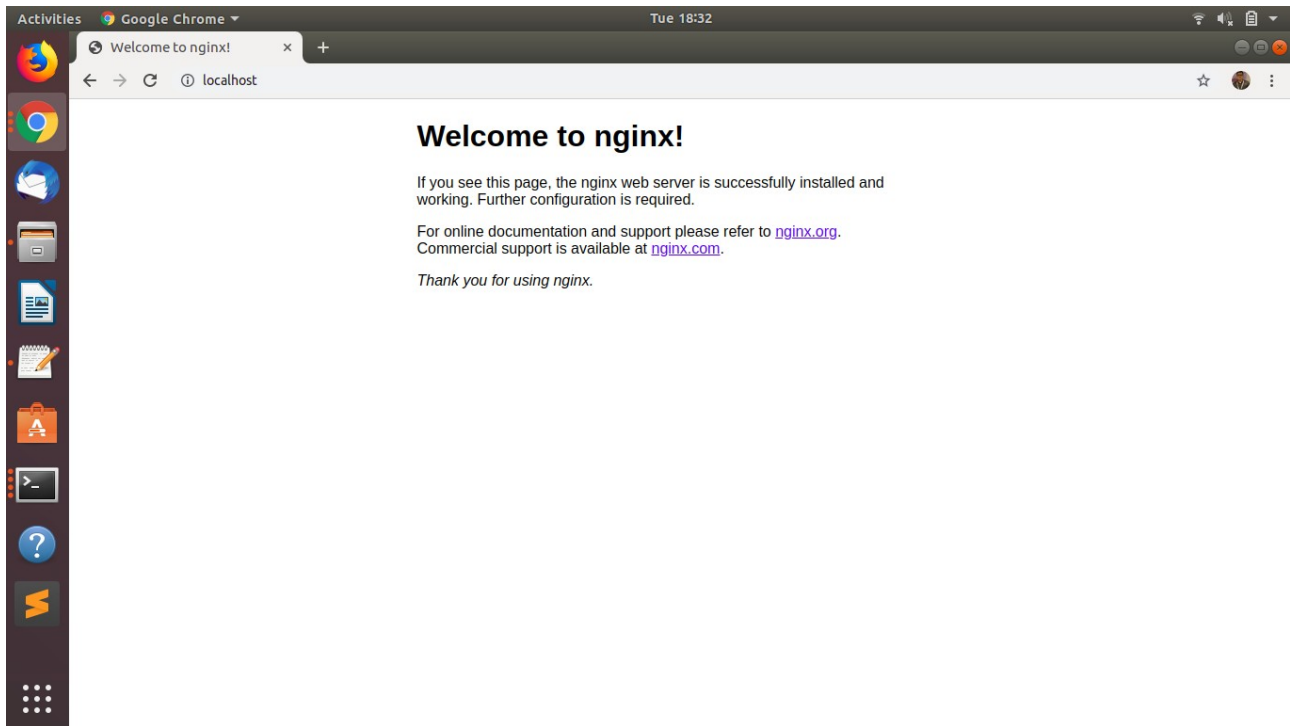
```
Activities Terminal Tue 18:33 root@1bce446580b3: /
File Edit View Search Terminal Help
vishal@quantiphi-747:~/ContainerAssg2/2$ docker images
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.39/images/json: dial unix /var/run/docker.sock: connect: permission denied
vishal@quantiphi-747:~/ContainerAssg2/2$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
vishal-nginx         latest             6adac4615c53       About an hour ago   201MB
<none>               <none>            53cf24843edf       About an hour ago   176MB
<none>               <none>            2bb1d63286b6       2 hours ago        201MB
vishal-sample-1     latest            661311eb1910       3 hours ago        201MB
1_web               latest            d9a3b39eaf4b       5 hours ago        84.5MB
flask-sample-one    latest            8dc4e1e40370       4 days ago         501MB
<none>              <none>            59cd4905648f       4 days ago         90.9MB
redis               alpine            4f188304d84f       6 days ago         51.1MB
ubuntu              16.04            13c9f1285025       13 days ago        119MB
ubuntu              latest            4c108a37151f       13 days ago        64.2MB
python              3.4-alpine       c06adcf62f6e       3 months ago       72.9MB
hello-world         latest            fce289e99eb9       6 months ago       1.84kB
vishal@quantiphi-747:~/ContainerAssg2/2$ sudo docker run -dit -p 8080:8080 --name vishal-abc vishal-sample-1
1bce446580b37fc848da325c8cfadc5a8e9f891ad6523d447e9573e5d478da40
vishal@quantiphi-747:~/ContainerAssg2/2$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS
1bce446580b3       vishal-sample-1    "/bin/bash"        7 seconds ago      Up 4 seconds       80/tcp, 443/tcp, 0.0.0.0:8080->8080/tcp
vishal-abc
vishal@quantiphi-747:~/ContainerAssg2/2$ docker exec -it vishal-abc /bin/bash
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.39/containers/vishal-abc/json: dial unix /var/run/docker.sock: connect: permission denied
vishal@quantiphi-747:~/ContainerAssg2/2$ sudo docker exec -it vishal-abc /bin/bash
root@1bce446580b3:/# apt-get update
Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Get:2 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [892 kB]
0% [Connecting to archive.ubuntu.com] [2 Packages 690 kB/892 kB 77%]
```

```
Activities Terminal Tue 18:39 vishal@Quantiphi-747: ~/ContainerAssg2/2
File Edit View Search Terminal Help
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.39/containers/vishal-abc/json: dial unix /var/run/docker.sock: connect: permission denied
vishal@quantiphi-747:~/ContainerAssg2/2$ sudo docker exec -it vishal-abc /bin/bash
root@1bce446580b3:/# apt-get update
Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Get:2 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [892 kB]
Get:3 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [567 kB]
Hit:4 http://archive.ubuntu.com/ubuntu xenial InRelease
Get:5 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial-backports InRelease [107 kB]
Get:7 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [1275 kB]
Get:8 http://archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [974 kB]
Fetched 4033 kB in 16s (242 kB/s)
Reading package lists... Done
root@1bce446580b3:/# apt install nano
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  spell
The following NEW packages will be installed:
  nano
0 upgraded, 1 newly installed, 0 to remove and 1 not upgraded.
Need to get 191 kB of archives.
After this operation, 700 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 nano 2.5.3-2ubuntu2 [191 kB]
Fetched 191 kB in 0s (524 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package nano.
(Reading database ... 5463 files and directories currently installed.)
Preparing to unpack .../nano.2.5.3-2ubuntu2_amd64.deb ...
Unpacking nano (2.5.3-2ubuntu2) ...
Setting up nano (2.5.3-2ubuntu2) ...
update-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto mode
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mode
root@1bce446580b3:/# exit
exit
vishal@quantiphi-747:~/ContainerAssg2/2$
```

```
Activities Terminal Tue 19:08
vishal@Quantiphi-747: ~/ContainerAssg2/2
File Edit View Search Terminal Help
vishal@Quantiphi-747:~/ContainerAssg2/2$ sudo docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: vishald97
Password:
WARNING! Your password will be stored unencrypted in /home/vishal/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
vishal@Quantiphi-747:~/ContainerAssg2/2$ sudo docker push $DOCKER_ID_USER/vishal-sample-1:latest
The push refers to repository [docker.io/vishald97/vishal-sample-1]
e8911503e481: Pushed
e1678b95cf0f: Pushed
dd1a0ac6bd4d: Pushed
92d3f22d44f3: Mounted from library/ubuntu
10e46f329a25: Mounted from library/ubuntu
24ab7de5faec: Mounted from library/ubuntu
1ea5a27b0484: Mounted from library/ubuntu
latest: digest: sha256:e038228ec93bddiddf63d7f7a016bc62c5df6cae3c221718a36c085c4aceb3b1 size: 1781
vishal@Quantiphi-747:~/ContainerAssg2/2$
```

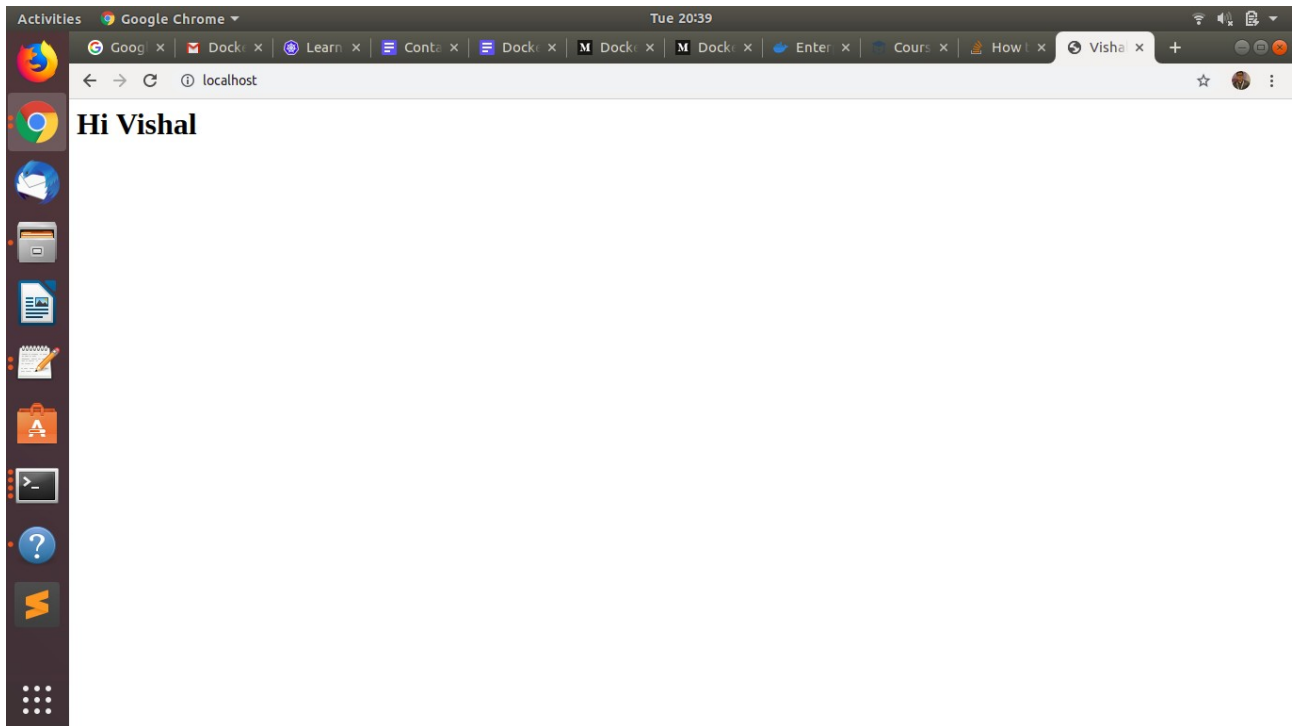




```
Activities Terminal Tue 20:33
vishal@Quantiphi-747: ~/ContainerAssg2/6

File Edit View Search Terminal Help

---> c820dc0cc81e
Step 7/9 : RUN chmod +r /var/www/html/index.html
---> Running in fdb3f9a0875e
Removing intermediate container fdb3f9a0875e
---> 8d6f980e5f3c
Step 8/9 : EXPOSE 8080
---> Running in 75b90019ca84
Removing intermediate container 75b90019ca84
---> 5e28a8035dff
Step 9/9 : CMD ["nginx", "-g", "daemon off;"]
---> Running in 1400e0e2d422
Removing intermediate container 1400e0e2d422
---> d1e3d9fd7f62
Successfully built d1e3d9fd7f62
Successfully tagged vishal-nginx-in:latest
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker run -itd -p 80:8080 vishal-nginx-abc vishal-nginx-im
Unable to find image 'vishal-nginx-abc:latest' locally
docker: Error response from daemon: pull access denied for vishal-nginx-abc, repository does not exist or may require 'docker login'.
See 'docker run --help'.
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker run -itd -p 80:8080 --name vishal-nginx-abc:latest vishal-nginx-im
docker: Error response from daemon: Invalid container name (vishal-nginx-abc:latest), only [a-zA-Z0-9][a-zA-Z0-9_..] are allowed.
See 'docker run --help'.
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker run -itd -p 80:8080 --name vishal-nginx-abc vishal-nginx-im
eafd313f5d3009bb2147cc34730d0fc3c892921036539c5cd534e66be451f4e
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED              STATUS              PORTS
eafd313f5d30        vishal-nginx-in    "nginx -g 'daemon of..." 9 seconds ago       Up 6 seconds       0.0.0.0:80->8080/tcp
1bce446580b3        vishal-sample-1    "/bin/bash"              2 hours ago         Up 13 minutes      80/tcp, 443/tcp, 0.0.0.0:8080->8080/t
cp vishal-abc
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker stop vishal-abc
vishal-abc
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED              STATUS              PORTS              NAMES
eafd313f5d30        vishal-nginx-in    "nginx -g 'daemon of..." 23 seconds ago       Up 20 seconds       0.0.0.0:80->8080/tcp vishal-nginx-a
bc
vishal@Quantiphi-747:~/ContainerAssg2/6$
```



```
Activites Terminal Tue 20:49
vishal@Quantiphi-747: ~/ContainerAssg2/6

File Edit View Search Terminal Help

CONTAINER ID    IMAGE          COMMAND          CREATED          STATUS          PORTS          NAMES
eafd313f5d30   vishal-nginx-  "nginx -g 'daemon of..." 23 seconds ago   Up 20 seconds   0.0.0.0:80->8080/tcp   vishal-nginx-a
bc

vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker stop vishal-nginx-abc
vishal-nginx-abc
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker ps
CONTAINER ID    IMAGE          COMMAND          CREATED          STATUS          PORTS          NAMES
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker push asia.gcr.io/pe-project/vishal-nginx-1m
The push refers to repository [asia.gcr.io/pe-project/vishal-nginx-1m]
An image does not exist locally with the tag: asia.gcr.io/pe-project/vishal-nginx-1m
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker tag vishal-nginx-1m asia.gcr.io/pe-project/vishal-nginx-1m
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker push asia.gcr.io/pe-project/vishal-nginx-1m
The push refers to repository [asia.gcr.io/pe-project/vishal-nginx-1m]
43719a6b96c1: Retrying in 1 second
9910c93a0d26: Retrying in 1 second
a2f4f2b77fe7: Retrying in 1 second
e1678b95cf0f: Retrying in 2 seconds
dd1a0ac6bd4d: Retrying in 3 seconds
92d3f22d44f3: Retrying in 5 seconds
10e46f329a25: Waiting
24ab7de5faec: Waiting
1ea5a27b0484: Waiting
unknown: Project 'project:pe-project' not found or deleted.
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker tag vishal-nginx-1m asia.gcr.io/pe-training/vishal-nginx-1m
vishal@Quantiphi-747:~/ContainerAssg2/6$ sudo docker push asia.gcr.io/pe-training/vishal-nginx-1m
The push refers to repository [asia.gcr.io/pe-training/vishal-nginx-1m]
43719a6b96c1: Preparing
9910c93a0d26: Preparing
a2f4f2b77fe7: Preparing
e1678b95cf0f: Preparing
dd1a0ac6bd4d: Preparing
92d3f22d44f3: Waiting
10e46f329a25: Waiting
24ab7de5faec: Waiting
1ea5a27b0484: Waiting
unauthorized: You don't have the needed permissions to perform this operation, and you may have invalid credentials. To authenticate your requ
est, follow the steps in: https://cloud.google.com/container-registry/docs/advanced-authentication
vishal@Quantiphi-747:~/ContainerAssg2/6$
```