

8] Clone the lancachenet/ubuntu-nginx Git repository locally and build a Docker image from the provided Dockerfile. Be sure to add relevant tags when building the image.

SOLUTION:-

```
root@DESKTOP-VIDGD8F:DOCKER# git clone git@github.com:lancachenet/ubuntu-nginx.git
Cloning into 'ubuntu-nginx'...
remote: Enumerating objects: 101, done.
remote: Counting objects: 100% (28/28), done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 101 (delta 3), reused 18 (delta 0), pack-reused 73
Receiving objects: 100% (101/101), 19.15 KiB | 169.00 KiB/s, done.
Resolving deltas: 100% (20/20), done.
root@DESKTOP-VIDGD8F:DOCKER# ll
total 804
drwxrwxrwx 1 saniya saniya    512 Jan 10 11:46 .
drwxrwxrwx 1 saniya saniya    512 Jan  9 11:09 ..
drwxrwxrwx 1 saniya saniya    512 Jan 10 11:46 .git
-rwxrwxrwx 1 saniya saniya 806442 Jan  9 15:06 Docker_Assignment_no1.pdf
-rwxrwxrwx 1 saniya saniya 12426 Jan 10 11:44 Docker_Assignment_no_2.docx
drwxrwxrwx 1 saniya saniya    512 Jan 10 11:46 ubuntu-nginx
-rwxrwxrwx 1 saniya saniya    162 Jan 10 11:44 '~$cker_Assignment_no_2.docx'
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:ubuntu-nginx# docker image build . --tag my_image
[+] Building 12.5s (9/9) FINISHED
=> [internal] load .dockerignore
=> [internal] load build definition from Dockerfile
=> [internal] load metadata for docker.io/lancachenet/ubuntu:latest
=> [internal] load build context
=> [1/4] FROM docker.io/lancachenet/ubuntu:latest@sha256:7ace2e2aefb4cc13b895823fa7c1ee43763a1b15b84659dcb4d4ae726f757765
=> [2/4] COPY overlay/ /
=> [3/4] RUN apt-get update && apt-get install -y nginx-full inotify-tools
=> [4/4] RUN chmod 777 /opt/nginx/startnginx.sh && rm /etc/nginx/sites-available/default /etc/nginx/sites-enabled/default
=> exporting to image
=> writing image sha256:be64c264bd8af83575ee24966a7713a12a4a734c37a6cfff381542e83686135f9
=> saving to docker.io/library/my_image
root@DESKTOP-VIDGD8F:ubuntu-nginx# docker image ls
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
my_image      latest   be64c264bd0a   2 minutes ago  584MB
httpd         latest   6fd77d7a5eb7   2 months ago  167MB
root@DESKTOP-VIDGD8F:ubuntu-nginx#
```

9] After building the image, run a Docker container using the image and check the webpage using the curl command to ensure it's accessible.

SOLUTION:-

```
root@DESKTOP-VIDGD8F:ubuntu-nginx# docker container run -itd my_image
b6dae00ac01a87a1d28ad628584f6ba1f621ab5f20523016cc95c8a5c9564b6c
root@DESKTOP-VIDGD8F:ubuntu-nginx#

root@DESKTOP-VIDGD8F:ubuntu-nginx# docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS              PORTS          NAMES
b6dae00ac01a   my_image  "/bin/bash -e /init/..." About a minute ago Up About a minute 80/tcp        sad_wozniak
866d7616d1da   httpd     "httpd-foreground"      58 minutes ago Up 58 minutes    80/tcp        gallant_jemison
root@DESKTOP-VIDGD8F:ubuntu-nginx#

root@DESKTOP-VIDGD8F:ubuntu-nginx# curl http://172.17.0.4
Welcome to the lancachenet/ubuntu-nginx docker container
root@DESKTOP-VIDGD8F:ubuntu-nginx#
```

10] Launch an Ubuntu container, demonstrate that the escape sequence is functional, and reattach the container after detaching it with the escape sequence. Then, check the container's IP address.

SOLUTION:-

```
root@DESKTOP-VIDGD8F:DOCKER# docker container run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
a48641193673: Pull complete
Digest: sha256:6042500cf4b44023ea1894effe7890666b0c5c7871ed83a97c36c76ae560bb9b
Status: Downloaded newer image for ubuntu:latest
root@cd6a455eb6ff:/# exit
exit
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
cd6a455eb6ff	ubuntu	"/bin/bash"	2 minutes ago	Exited (0) 9 seconds ago		practical_chatelet
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	14 minutes ago	Up 14 minutes	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	About an hour ago	Up About an hour	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER# docker container run -itd ubuntu
30f68b63d8d8d934a911b1a624cbc0d26f4f532a85739b84f391bee19ea396ed
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
30f68b63d8d8	ubuntu	"/bin/bash"	26 seconds ago	Up 25 seconds		infallible_hermann
cd6a455eb6ff	ubuntu	"/bin/bash"	3 minutes ago	Exited (0) 54 seconds ago		practical_chatelet
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	14 minutes ago	Up 14 minutes	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	About an hour ago	Up About an hour	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER# docker container attach 30f68b63d8d8
root@30f68b63d8d8:/# exit
exit
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container exec b6dae00ac01a cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0         ip6-localnet
ff00::0         ip6-mcastprefix
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
172.17.0.4      b6dae00ac01a
root@DESKTOP-VIDGD8F:DOCKER#
```

11] Use a Docker command to inspect the hostname and /etc/hosts file of the httpd container.

SOLUTION:-

```
root@DESKTOP-VIDGD8F:DOCKER# docker container exec 866d7616d1da hostname
866d7616d1da
root@DESKTOP-VIDGD8F:DOCKER#
```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container exec 866d7616d1da cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0         ip6-localnet
ff00::0         ip6-mcastprefix
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
172.17.0.2      866d7616d1da
root@DESKTOP-VIDGD8F:DOCKER#

```

**12] Run a Docker command to inspect a container created with the lancachenet/ubuntu-nginx repository, and monitor the container's resource usage and stats with the TOP command.**

**SOLUTION:-**

```

root@DESKTOP-VIDGD8F:DOCKER# docker container inspect b6dae00ac01a |grep Image
      "Image": "sha256:be64c264bd0af83575ee24966a7713a12a4a734c37a6cff301542e83608135f9",
      "Image": "my_image",
root@DESKTOP-VIDGD8F:DOCKER#

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container top b6dae00ac01a

```

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	4463	4443	0	11:55	pts/0	00:00:00	/usr
/bin/python3	/usr/local/bin/supervisord	-n -c /etc/supervisor/supervisord.conf	-e WARN				
root	4498	4463	0	11:55	pts/0	00:00:00	/bin
/bash	/opt/nginx/startnginx.sh						
root	4499	4498	0	11:55	pts/0	00:00:00	nginx
x: master process	/usr/sbin/nginx -g daemon off;						
www-data	4500	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4501	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4502	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4503	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4504	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4505	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4506	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							
www-data	4507	4499	0	11:55	pts/0	00:00:00	nginx
x: worker process							

```

root@DESKTOP-VIDGD8F:DOCKER#

```

**13] Start a new Nginx container and review the logs for both Nginx containers.**

**SOLUTION:-**

```

root@DESKTOP-VIDGD8F:DOCKER# docker container create nginx
efcfa33ab96a45a4591e6b38d5c70d30a1cc07d2a3ce6b097a0ad98c6ade2a1d

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
efcfa33ab96a	nginx	"/docker-entrypoint..."	13 seconds ago	Created		stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	57 minutes ago	Up 57 minutes	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	2 hours ago	Up 2 hours	80/tcp	gallant_jemison

```

root@DESKTOP-VIDGD8F:DOCKER# docker container start stupefied_shamir
stupefied_shamir

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container ls

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
efcfa33ab96a	nginx	"/docker-entrypoint..."	27 seconds ago	Up 2 seconds	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	57 minutes ago	Up 57 minutes	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	2 hours ago	Up 2 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER# docker container logs efca33ab96a
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/01/10 07:23:18 [notice] 1#1: using the "epoll" event method
2024/01/10 07:23:18 [notice] 1#1: nginx/1.25.3
2024/01/10 07:23:18 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2024/01/10 07:23:18 [notice] 1#1: OS: Linux 5.15.133.1-microsoft-standard-WSL2
2024/01/10 07:23:18 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2024/01/10 07:23:18 [notice] 1#1: start worker processes
2024/01/10 07:23:18 [notice] 1#1: start worker process 29
2024/01/10 07:23:18 [notice] 1#1: start worker process 30
2024/01/10 07:23:18 [notice] 1#1: start worker process 31
2024/01/10 07:23:18 [notice] 1#1: start worker process 32
2024/01/10 07:23:18 [notice] 1#1: start worker process 33
2024/01/10 07:23:18 [notice] 1#1: start worker process 34
2024/01/10 07:23:18 [notice] 1#1: start worker process 35
2024/01/10 07:23:18 [notice] 1#1: start worker process 36
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker system events --since 2024-01-10T12:30:00 --filter container=stupefied_shamir
2024-01-10T12:52.54.481636400+05:30 container create efcca33ab96a45a591e6b38d5c70d3a1cc07d2a3ceb6b97a0ad98c6ade2ald (image=nginx, ma
tainer=NGINX Docker Maintainers <docker-maint@nginx.com>, name=stupefied_shamir)
2024-01-10T12:53.18.877711710+05:30 container start efcca33ab96a45a591e6b38d5c70d3a1cc07d2a3ceb6b97a0ad98c6ade2ald (image=nginx, mai
ntainer=NGINX Docker Maintainers <docker-maint@nginx.com>, name=stupefied_shamir)
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container run -itd --name ubuntu_doc_container --hostname ccloudethix.com ubuntu
29d59b257a0f09e0b7f019da0e3576c9b748079d604f023a91f43cae022261e1
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
CONTAINER ID   IMAGE      COMMAND                  CREATED          STATUS          PORTS          NAMES
29d59b257a0f   ubuntu    "/bin/bash"             13 seconds ago  Up 12 seconds  -              ubuntu_doc_container
efcf4a33ab96a  nginx     "/docker-entrypoint. ..." 45 minutes ago  Up 45 minutes  80/tcp         stupefied_shamir
b6dae00ac01a   my_image  "/bin/bash -e /init/..." 2 hours ago     Up 2 hours     80/tcp         sad_wozniak
866d7616d1da   httpd     "httpd-foreground"       3 hours ago     Up 3 hours     80/tcp         gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# docker exec -it 29d59b257a0f hostname
ccloudethix.com
root@DESKTOP-VIDGD8F:DOCKER#
```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container stop ubuntu_doc_container
ubuntu_doc_container
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
efcfa33ab96a   nginx    "/docker-entrypoint..." 48 minutes ago Up 47 minutes 80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago   Up 2 hours    80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago   Up 3 hours    80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
29d59b257a0f   ubuntu   "/bin/bash"             3 minutes ago   Exited (137) 33 seconds ago        ubuntu_doc_container
efcfa33ab96a   nginx    "/docker-entrypoint..." 48 minutes ago   Up 48 minutes    80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago     Up 2 hours      80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago     Up 3 hours      80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# █

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker inspect 29d59b257a0f --format='{{.State.ExitCode}}'
137
root@DESKTOP-VIDGD8F:DOCKER#
root@DESKTOP-VIDGD8F:DOCKER# docker logs ubuntu_doc_container
root@cloudethix:/# root@DESKTOP-VIDGD8F:DOCKER#
root@DESKTOP-VIDGD8F:DOCKER# █

```

16] Instantiate and start an Ubuntu container with a random name, then rename it to "Ubuntu01." Launch another container named "Ubuntu02" and check the hostname of both containers. Pause and un-pause the "Ubuntu02" container, and stop, start, and restart the "Ubuntu01" container. Inspect the stats and system events of both containers, then kill and delete them, ensuring that directories created by the containers are removed.

**SOLUTION:-**

```

root@DESKTOP-VIDGD8F:DOCKER# docker container create -it ubuntu
2144ccf0c5a12ed6ad4492808c88b976732e72e2176e7985465bdd1cd5f19c48
root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
2144ccf0c5a1   ubuntu   "/bin/bash"             6 seconds ago   Created              competent_edison
29d59b257a0f   ubuntu   "/bin/bash"             20 minutes ago   Up 11 minutes        ubuntu_doc_container
efcfa33ab96a   nginx    "/docker-entrypoint..." About an hour ago Up About an hour    80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago     Up 2 hours      80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago     Up 3 hours      80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# █

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container start competent_edison
competent_edison
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
2144ccf0c5a1   ubuntu   "/bin/bash"             38 seconds ago   Up 2 seconds         competent_edison
29d59b257a0f   ubuntu   "/bin/bash"             20 minutes ago   Up 11 minutes        ubuntu_doc_container
efcfa33ab96a   nginx    "/docker-entrypoint..." About an hour ago Up About an hour    80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago     Up 2 hours      80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago     Up 3 hours      80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# █

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container rename competent_edison Ubuntu01.
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
2144ccf0c5a1   ubuntu   "/bin/bash"             About a minute ago   Up 49 seconds        Ubuntu01.
29d59b257a0f   ubuntu   "/bin/bash"             21 minutes ago      Up 12 minutes        ubuntu_doc_container
efcfa33ab96a   nginx    "/docker-entrypoint..." About an hour ago    Up About an hour    80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago         Up 2 hours      80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago         Up 3 hours      80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# █

```

```

root@DESKTOP-VIDGD8F:DOCKER# docker container run -itd --name Ubuntu02 ubuntu
78b4944c5e093f4d0825e4b7ef9ede6fdcd48d204200657cae894407dd23e73e
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS      NAMES
78b4944c5e09   ubuntu   "/bin/bash"             7 seconds ago    Up 6 seconds         Ubuntu02
2144ccf0c5a1   ubuntu   "/bin/bash"             4 minutes ago    Up 4 minutes        Ubuntu01.
29d59b257a0f   ubuntu   "/bin/bash"             24 minutes ago   Up 15 minutes        ubuntu_doc_container
efcfa33ab96a   nginx    "/docker-entrypoint..." About an hour ago Up About an hour    80/tcp     stupefied_shamir
b6dae00ac01a   my_image "/bin/bash -e /init/..." 2 hours ago      Up 2 hours      80/tcp     sad_wozniak
866d7616d1da   httpd    "httpd-foreground"       3 hours ago      Up 3 hours      80/tcp     gallant_jemison
root@DESKTOP-VIDGD8F:DOCKER# █

```

```
root@DESKTOP-VIDGD8F:DOCKER# docker exec Ubuntu01. hostname
2144ccf0c5a1
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker exec Ubuntu02 hostname
78b4944c5e09
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container pause Ubuntu02
Ubuntu02
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78b4944c5e09	ubuntu	"/bin/bash"	2 minutes ago	Up 2 minutes (Paused)		Ubuntu02
2144ccf0c5a1	ubuntu	"/bin/bash"	6 minutes ago	Up 6 minutes		Ubuntu01.
29d59b257a0f	ubuntu	"/bin/bash"	26 minutes ago	Up 18 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container unpause Ubuntu02
Ubuntu02
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78b4944c5e09	ubuntu	"/bin/bash"	2 minutes ago	Up 2 minutes		Ubuntu02
2144ccf0c5a1	ubuntu	"/bin/bash"	7 minutes ago	Up 6 minutes		Ubuntu01.
29d59b257a0f	ubuntu	"/bin/bash"	27 minutes ago	Up 18 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container stop Ubuntu01.
Ubuntu01.
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78b4944c5e09	ubuntu	"/bin/bash"	5 minutes ago	Up 5 minutes		Ubuntu02
29d59b257a0f	ubuntu	"/bin/bash"	30 minutes ago	Up 21 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container start Ubuntu01.
Ubuntu01.
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78b4944c5e09	ubuntu	"/bin/bash"	6 minutes ago	Up 6 minutes		Ubuntu02
2144ccf0c5a1	ubuntu	"/bin/bash"	10 minutes ago	Up 1 second		Ubuntu01.
29d59b257a0f	ubuntu	"/bin/bash"	30 minutes ago	Up 22 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER#
```

```
root@DESKTOP-VIDGD8F:DOCKER# docker container restart Ubuntu01.
Ubuntu01.
root@DESKTOP-VIDGD8F:DOCKER# docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78b4944c5e09	ubuntu	"/bin/bash"	6 minutes ago	Up 6 minutes		Ubuntu02
2144ccf0c5a1	ubuntu	"/bin/bash"	11 minutes ago	Up 7 seconds		Ubuntu01.
29d59b257a0f	ubuntu	"/bin/bash"	31 minutes ago	Up 22 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```
root@DESKTOP-VIDGD8F:DOCKER#
```





```

root@DESKTOP-VIDGD8F:DOCKER# docker container kill Ubuntu01. Ubuntu02
Ubuntu01.
Ubuntu02
root@DESKTOP-VIDGD8F:DOCKER# docker container rm Ubuntu01. Ubuntu02
Ubuntu01.
Ubuntu02
root@DESKTOP-VIDGD8F:DOCKER# docker container ls -a

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
29d59b257a0f	ubuntu	"/bin/bash"	37 minutes ago	Up 28 minutes		ubuntu_doc_container
efcfa33ab96a	nginx	"/docker-entrypoint..."	About an hour ago	Up About an hour	80/tcp	stupefied_shamir
b6dae00ac01a	my_image	"/bin/bash -e /init/..."	2 hours ago	Up 2 hours	80/tcp	sad_wozniak
866d7616d1da	httpd	"httpd-foreground"	3 hours ago	Up 3 hours	80/tcp	gallant_jemison

```

root@DESKTOP-VIDGD8F:DOCKER#

```

```

root@DESKTOP-VIDGD8F:containers# ll
total 24
drwx--x--- 6 root root 4096 Jan 10 14:15 .
drwx--x--- 12 root root 4096 Jan 10 10:37 ..
drwx--x--- 4 root root 4096 Jan 10 13:47 29d59b257a0f09e0b7f019da0e3576c9b748079d604f023a91f43cae022261e1
drwx--x--- 4 root root 4096 Jan 10 10:58 866d7616d1dad73ca48b0d730eafecf0c65e193cefabfe4b0e2acc452d1ecb19
drwx--x--- 4 root root 4096 Jan 10 11:55 b6dae00ac01a87a1d28ad628584f6ba1f621ab5f20523016cc95c8a5c9564b6c
drwx--x--- 4 root root 4096 Jan 10 12:53 efcfa33ab96a45a4591e6b38d5c70d30a1cc07d2a3ce6b097a0ad98c6ade2a1d
root@DESKTOP-VIDGD8F:containers#


```


17] Create a DockerHub account, set up a repository with meaningful name.

SOLUTION:-



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to continue to [docker.com](https://docker.com)



**Saniya Shaikh**

saniyaashaikh9822@gmail.com



**Rehan Shaikh**

sk.rehan6012@gmail.com



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## Create repository

Namespace

sanu28221

Repository Name \*

docker\_repo



Short description

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 **sanu28221 / docker\_repo**

#### Description

This repository does not have a description 

 Last pushed: a few seconds ago

#### Docker commands

To push a new tag to this repository:

```
docker push sanu28221/docker_repo:tagname
```

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