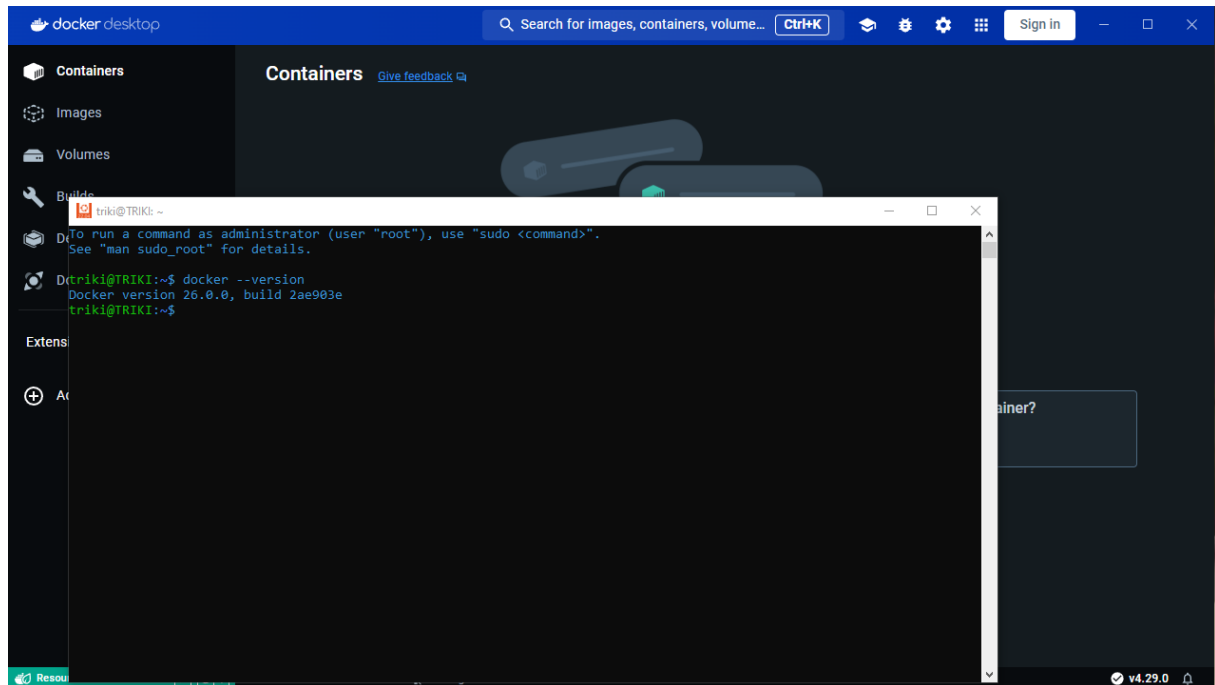
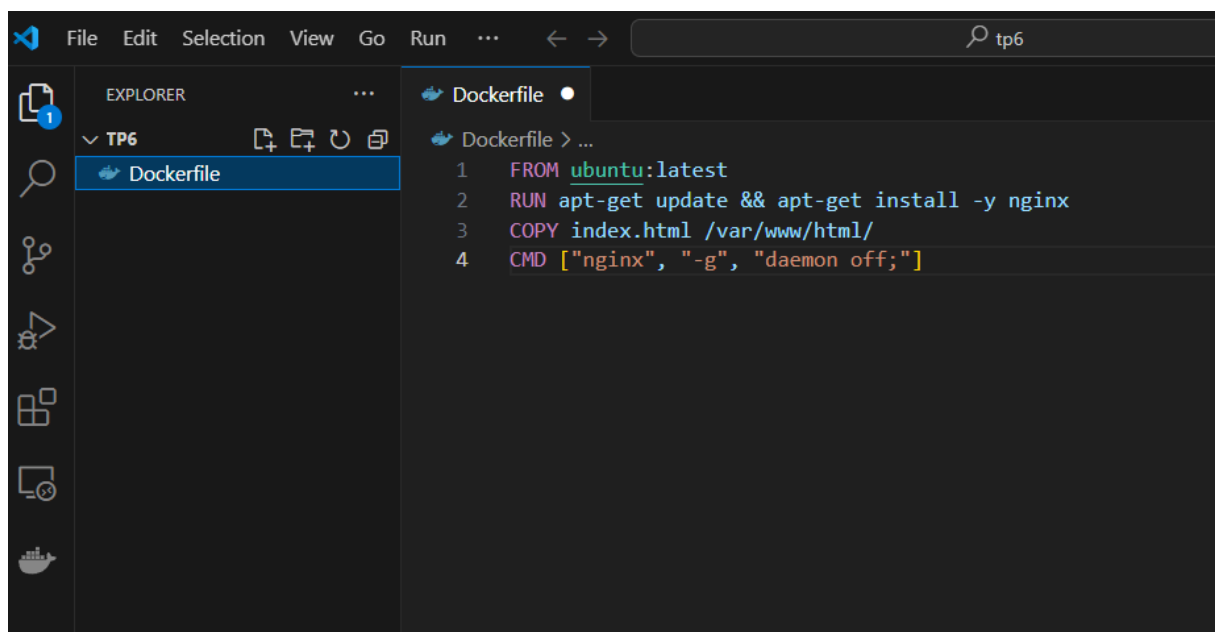


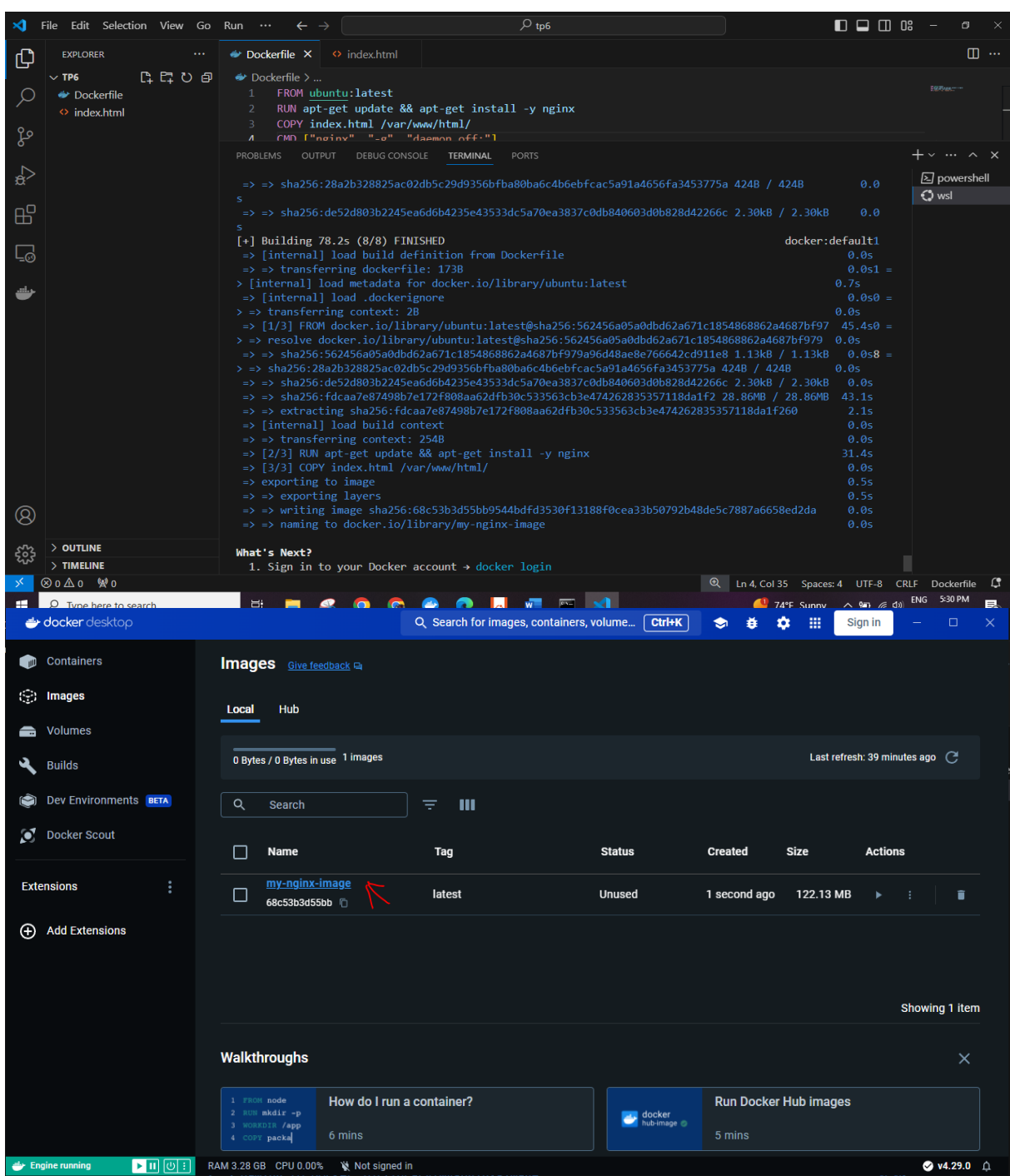
Travaux pratiques 6 : La conteneurisation

Tâche 1 : Installer Docker :

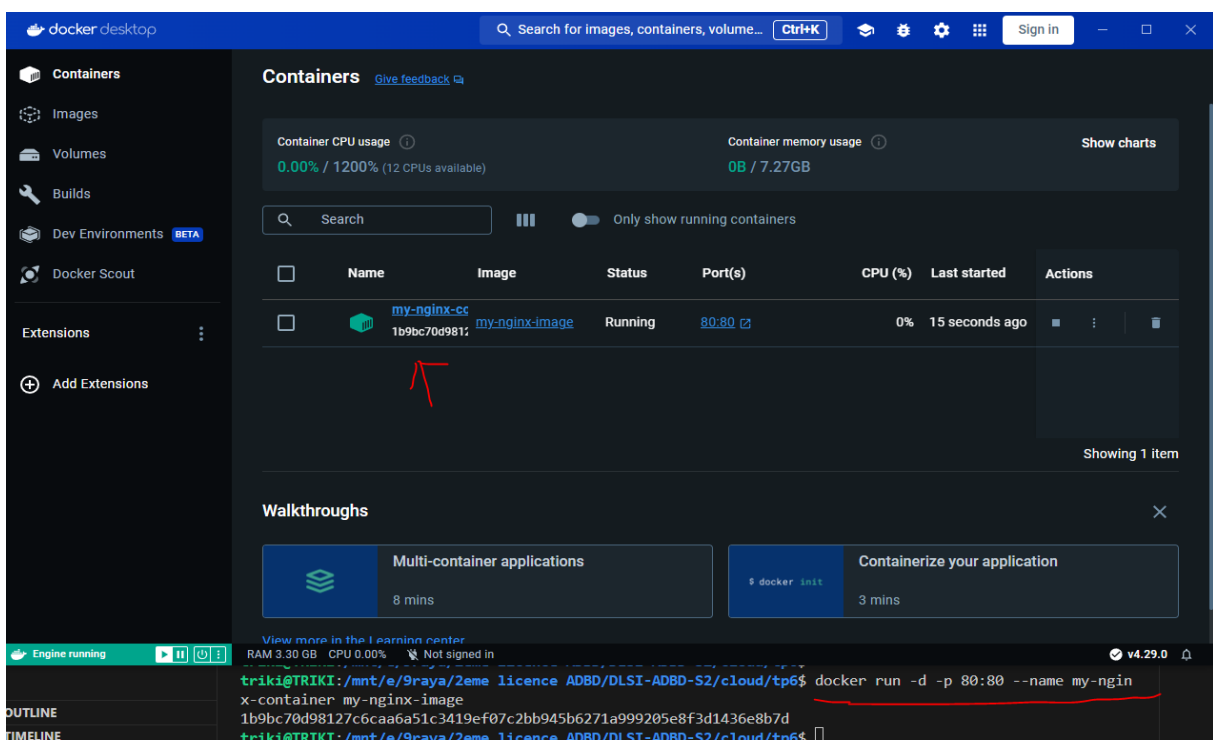


Tâche 2 : Créer une image Docker :





Tâche 3 : Exécuter une image Docker



Containers

Container CPU usage: No containers are running. Container memory usage: No containers are running. [Show charts](#)

Search: [] Only running: []

Name	Image	Status	Port(s)	Actions
my-nginx	my-nginx-ir	Exited	80:80	[] [] []

Showing 1 item

Walkthroughs

- Multi-container applications (8 mins)
- Containerize your application (3 mins)

[View more in the Learning center](#)

```

triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker ps
CONTAINER ID   IMAGE          STATUS      COMMAND               PORTS
1b9bc70d9812   my-nginx-image Up About a minute   0.0.0.0:80->80/tcp   my-nginx-container
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker stop my-nginx-container
my-nginx-container
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$
  
```

Images

Local Hub

Images are used to run containers

You can either build an image from a Dockerfile, or download an existing image to run

[Search images to run](#)

```

triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker rmi my-nginx-container
Error response from daemon: No such image: my-nginx-container:latest
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker rmi my-nginx-image
Untagged: my-nginx-image:latest
Deleted: sha256:68c53b3d55bb9544bdfd3530f31388f0cea33b50792b48de5c7887a6658ed2da
Error response from daemon: No such image: docker:latest
Error response from daemon: No such image: rmi:latest
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$
  
```

Tâche 4 : Gérer les images Docker :

Images

Local Hub

122.13 MB / 0 Bytes in use 1 Images Last refresh: 1 hour ago

Search: []

Name	Tag	Status	Created	Size	Action
my-nginx-image	v1.0	In use	33 minutes ago	122.13 MB	[]

Showing 1 item

Walkthroughs

- How do I run a container?

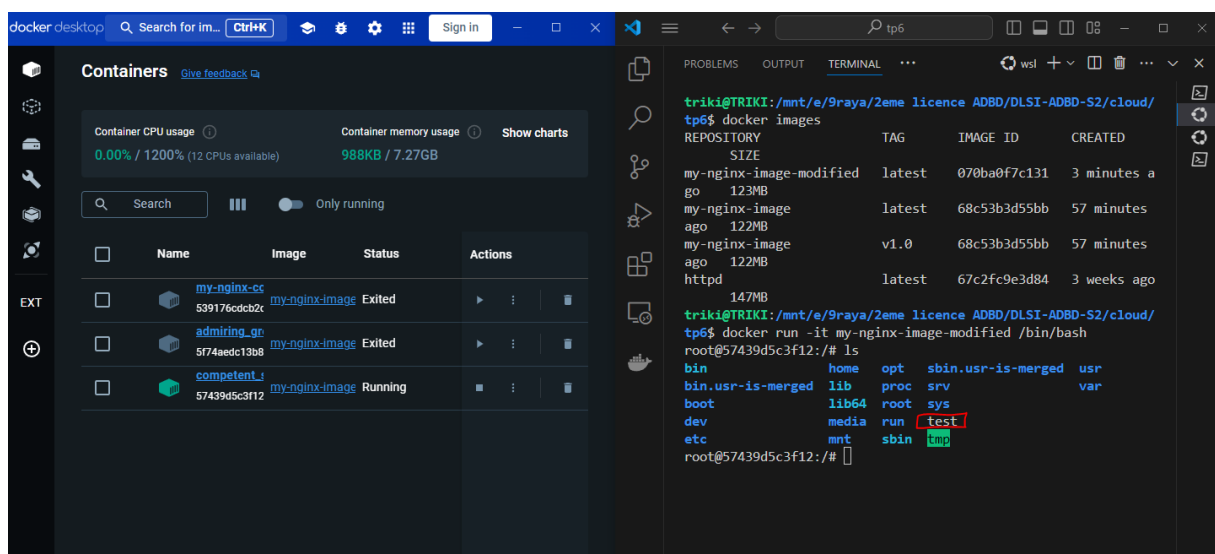
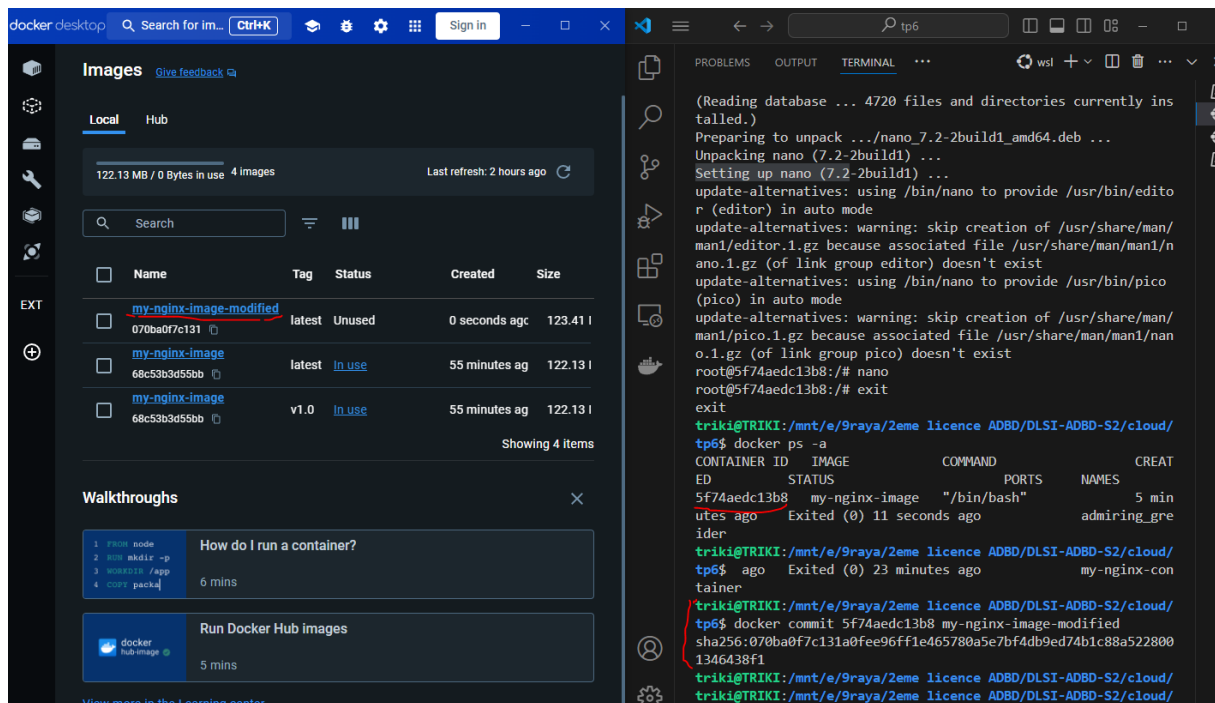
```

triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
my-nginx-image latest    68c53b3d55bb   29 minutes ago 122M
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker tag my-nginx-image my-nginx-image:v1.0
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
my-nginx-image latest    68c53b3d55bb   31 minutes ago 122M
my-nginx-image v1.0      68c53b3d55bb   31 minutes ago 122M
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker rmi -f my-nginx-image
Untagged: my-nginx-image:latest
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
my-nginx-image v1.0      68c53b3d55bb   32 minutes ago 122M
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/tp6$
  
```

```
PROBLEMS OUTPUT TERMINAL ... wsl + - - - - -
problems (Ctrl+Shift+M) 513
apachepinot/pinot-presto This image is a presto image b
uilt-in with p... 1
bitnami/apache Bitnami container image for Ap
ache 93
apachepinot/pinot-superset
1
apache/superset Apache Superset
252
apachepinot/pinot-base-runtime The base image for Apache Pino
t runtime 0
apachepinot/pinot-base-build The base image for Apache Pino
t build 0
bitnami/apache-exporter Bitnami container image for Ap
ache Exporter 0
apachepulsar/pulsar Apache Pulsar - Distributed pu
b/sub messagin... 89
apache/tika Apache Tika Server - the conte
nt analysis to... 34
apache/apisix Apache APISIX: Cloud-Native AP
I Gateway 89
apache/skywalking-oap-server Apache SkyWalking OAP Server
152
apachepinot/thirdeye Docker Image for Apache Thride
ye 1
triki@TRIKI:/mnt/e/9raya/2eme licence ADBD/DLSI-ADBD-S2/cloud/t
p6$ docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
b0a0cf830b12: Pulling fs layer
851c52adaa9b: Pulling fs layer
4f4fb700ef54: Pulling fs layer
39d9f60535a6: Waiting
943a2b3cf551: Waiting
ea83e81966d6: Waiting
□
```

Tâche 5 : Modifier une image Docker existante

```
docker desktop Search for im... Ctrl+K Sign in - - - - -
Containers Give feedback
Container CPU usage 0.00% / 1200% (12 CPUs available) Container memory usage 2MB / 7.27GB Show charts
Search Only running
EXT
my-nginx-cc 539176dcdb2c my-nginx-image Exited
admirer-gr 5f74aedc13b8 my-nginx-image Running
Showing 2 items
RAM 3.65 GB CPU 0.25% v4.29.0
root@5f74aedc13b8:/# apt-get install nano
Reading package lists... 0%
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
hunspell
The following NEW packages will be installed:
nano
0 upgraded, 1 newly installed, 0 to remove and 3 not upgraded.
Need to get 281 kB of archives.
After this operation, 856 kB of additional disk space will be u
sed.
Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 nano am
d64 7.2-2build1 [281 kB]
Fetched 281 kB in 1s (255 kB/s)
debconf: delaying package configuration, since apt-utils is not
installed
Selecting previously unselected package nano.
(Reading database ... 4720 files and directories currently inst
alled.)
Preparing to unpack .../nano.7.2-2build1_amd64.deb ...
Unpacking nano (7.2-2build1) ...
Setting up nano (7.2-2build1) ...
update-alternatives: using /bin/nano to provide /usr/bin/editor
(editor) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/m
an1/editor.1.gz because associated file /usr/share/man/man1/nan
o.1.gz (of link group editor) doesn't exist
update-alternatives: using /bin/nano to provide /usr/bin/pico (
pico) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/m
an1/pico.1.gz because associated file /usr/share/man/man1/nano.
1.gz (of link group pico) doesn't exist
root@5f74aedc13b8:/# nano
root@5f74aedc13b8:/# exit
```



Tâche 6 : Publier un e image Docker sur Docker Hub

