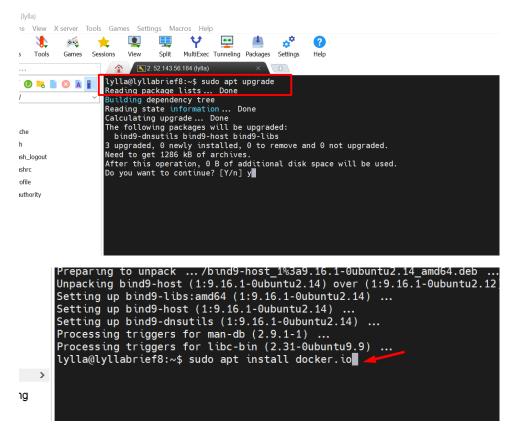
Brief 8 : Créer une application avec docker

Création d'une VM avec clé SSH, puis se connecter sur Mobaxtern pour travailler sur le terminal. Connection session, introduction chemin clé.

Installation Docker sudo apt install docker.io on, sudo apt upgrade On peut vérifier la version via sudo docker version

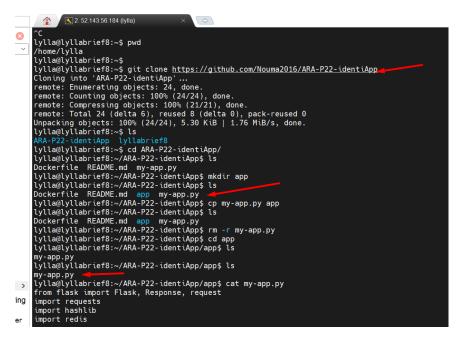


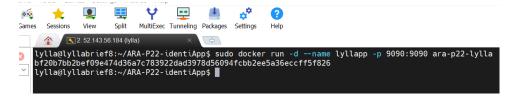
Cloner le dossier ARA-P22-identiapp DIRECTEMENT au bon endroit via git clone https://github.com....

Voici le dockerfile dans vim via sudo vim Dockerfile

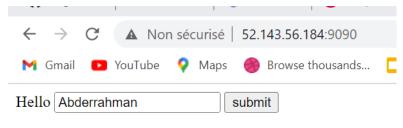
Puis construction de l'image via sudo docker build –t ara-p22-lylla . (cad le nom de l'image, le . Signifie qu'il est à cette endroit précis)

```
Build an image from a Dockerfile
lylla@lyllabrief8:-/ARA-P22-identiApp$ sudo docker build -t ara-p22-lylla .
Sending build context to Docker daemon 94.72kB
Step 1/8 : FROM python:3.7
---> 46d78515df2a
Step 2/8 : RUN groupadd -r uwsgi & useradd -r -g uwsgi uwsgi
---> Using cache
---> 58f8aeafac34
Step 3/8 : RUN pip install Flask uWSGI requests redis
---> Using cache
---> 823d31df4db3
Step 4/8 : WGRNDIR /app
---> Using cache
---> 01dd938e8195
Step 5/8 : COPY app/my-app.py /app
---> 58tp 5/8 : COPY app/my-app.py /app
---> Running in a1c2ebb0bfe0
Removing intermediate container a1c2ebb0bfe0
---> 37a23953861c
Step 7/8 : USER uwsgi
---> Running in a88e4ce57f4
Removing intermediate container aa83e4ce57f4
---> ee94f8bbd030
Step 8/8 : CMD ["uwsgi", "--http", "0.0.0.0:9090", "--wsgi-file", "/app/my-app.py", "--calla'
---> Running in d91a290f1c21
Removing intermediate container d91a290f1c21
---> 44fc2418ce1c
Successfully built 44fc2418ce1c
Successfully tagged ara-p22-lylla:latest
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker image
```





Adresse localhost ip:port pour voir l'appli sur le nav ou sur terminal curl localhost:port



You look like a:

Il faut tagger l'image avant de le push sur dockerhub via sudo docker tag "IdImage" "UserNameDockerhub"/Nom Image: NomDuTag

```
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ara-p22-lylla1 latest 44fc2418ce1c 2 hours ago 927MB
ara-p22-lylla latest 44fc2418ce1c 2 hours ago 927MB
python 3.7 46d70518df2a 4 daya ago 927MB
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker tag 44fc2418ce1c lyllabani/ara-p22-lylla:lyltag
```

Login docker pour se connecter à Docker hub via sudo docker login/ Username/ password à remplir

```
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ara-p22-lylla1 latest 44fc2418ce1c 2 hours ago 927MB
ara-p22-lylla1 latest 44fc2418ce1c 2 hours ago 927MB
nython 3.7 46d78515df2a 4 days ago 905MB
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker tag 44fc2418ce1c lyllabani/ara-p22-lylla:lyltag
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker tag 44fc2418ce1c lyllabani/ara-p22-lylla:lyltag
lylla@lyllabrief8:~/ARA-P22-identiApp$ 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 <a href="https://hub.docker.com">https://hub.docker.com</a> to create one.
Username: lyllabani
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
lylla@lyllabrief8:~/ARA-P22-identiApp$
```

On envoie l'image sur Dockerhub via sudo docker push lyllabani/ara-p22-lylla:lyltag (username docker/NomImage:NomTag

```
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ara-p22-lyllal latest 44fc2418ce1c 2 hours ago 927MB
ara-p22-lyllal latest 44fc2418ce1c 2 hours ago 927MB
python 3.7 46d78515df2a 4 days ago 905MB
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker tag 44fc2418ce1c lyllabani/ara-p22-lylla:lyltag
lylla@lyllabrief8:~/ARA-P22-identiApp$ 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: lyllabani
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
lylla@lyllabrief8:~/ARA-P22-identiApp$ sudo docker push lyllabani/ara-p22-lylla:lyltag
The push refers to repository [docker.io/lyllabani/ara-p22-lylla]
0459a74d442e: Pushed
060e2bb61f69: Pushed
351f6b04731f: Pushed
060e2bb61f69: Pushed
060e2bb61f69: Pushed
060e2bb61f69: Wounted from library/python
55563cebb216: Mounted from library/python
55563cebb216: Mounted from library/python
04514f8b2aac: Mounted from library/python
053a1f71007e: Mounted from library/python
```

Localhost:9191

