DEVOPS - DOCKER

TP1

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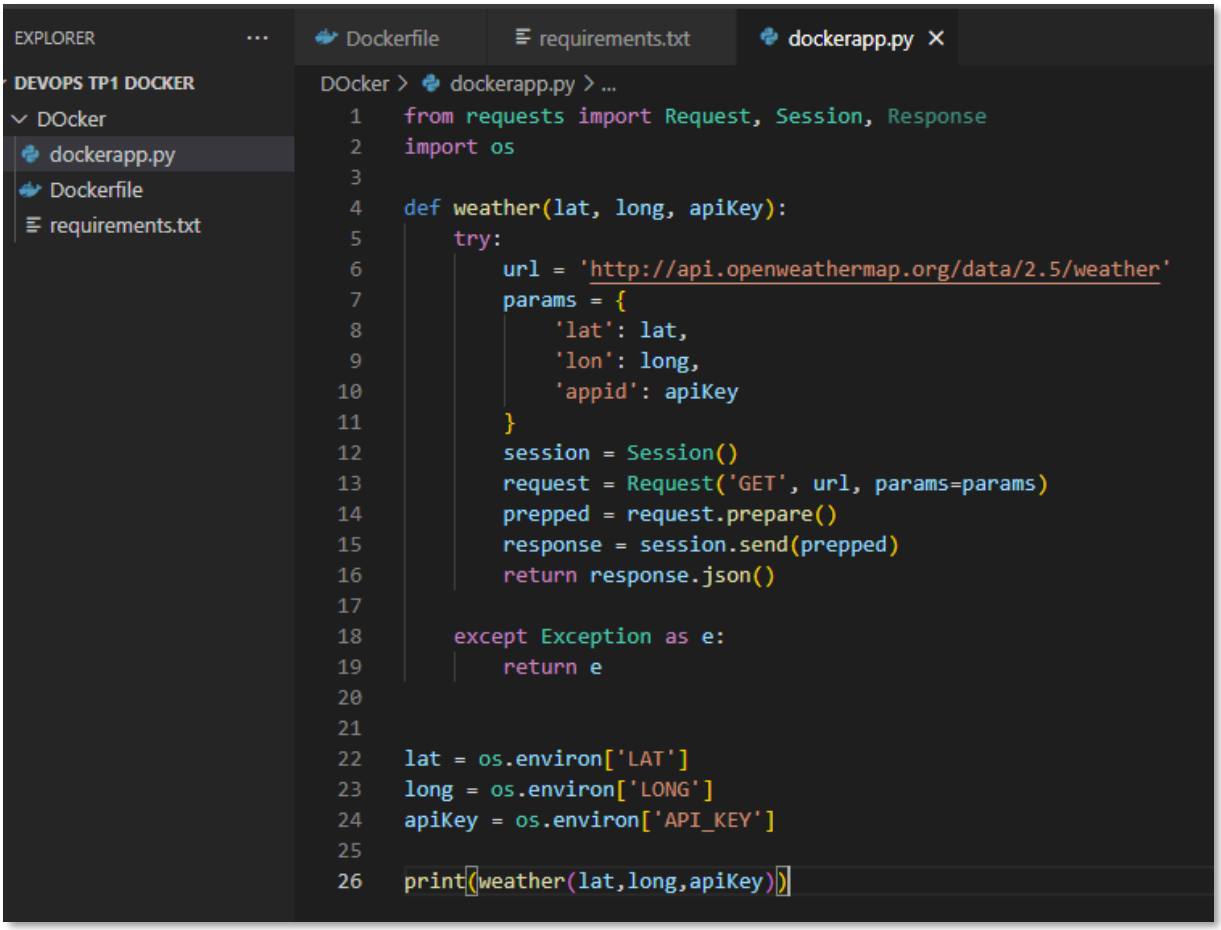
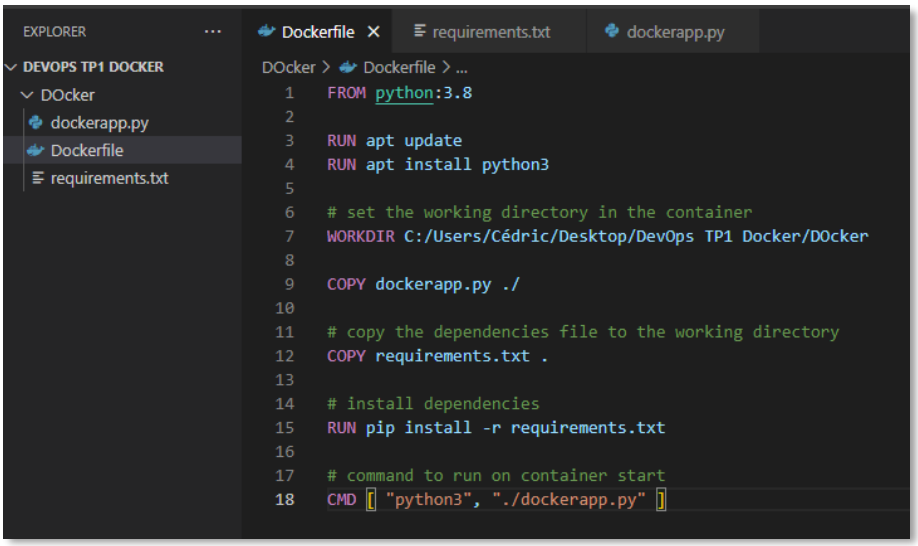
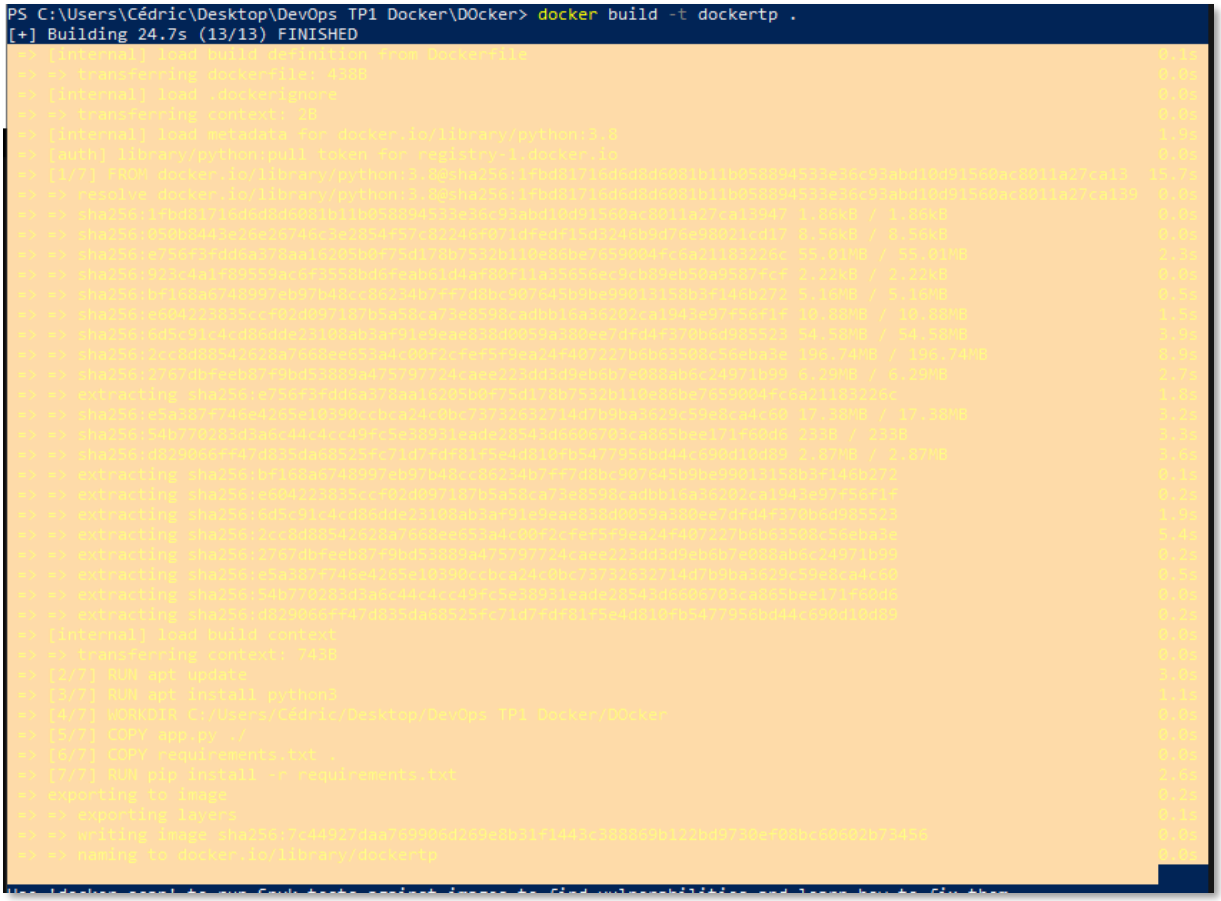
- Création du wrapper utilisant l'API openwheather dans le langage python. Il retourne la météo d'un lieu en fonction de sa latitude et de sa longitude (passées en variable d'environnement)



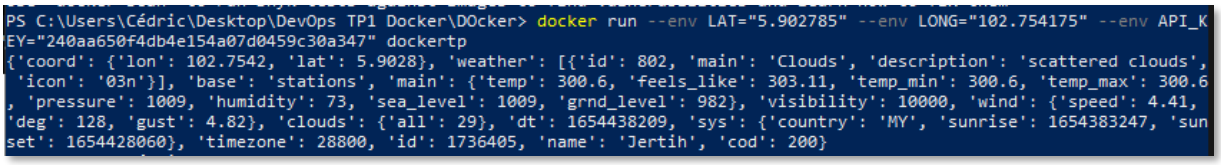
- Création du Dockerfile



- Création de l'image docker



- Test pour voir si elle marche



Nous obtenons bien les infos météo, le test est donc concluant.

- Mise à disposition de l'image sur DockerHub : https://hub.docker.com/repository/docker/cedricsamboun/dockertp/general

```
PS C:\Users\Cédric\Desktop\DevOps TP1 Docker\DOcker> docker tag 7c44927daa76 cedricsamboun/dockertp:dockertp
PS C:\Users\Cédric\Desktop\DevOps TP1 Docker\DOcker> docker push 7c44927daa76 cedricsamboun/dockertp:dockertp
"docker push" requires exactly 1 argument.
See 'docker push --help'.

Usage:  docker push [OPTIONS] NAME[:TAG]

Push an image or a repository to a registry
PS C:\Users\Cédric\Desktop\DevOps TP1 Docker\DOcker> docker push cedricsamboun/dockertp:dockertp
The push refers to repository [docker.io/cedricsamboun/dockertp]
1b943b928cf4: Pushed
ddbb49477d86: Pushed
f0a76c0bf681: Pushed
d3e81658bd4d: Pushed
5b39347b919e: Pushed
e90060b10c18: Pushed
be869761d95b: Mounted from library/python
a019d1de6299: Mounted from library/python
fecf15812fff: Mounted from library/python
13b045a1dfd2: Mounted from library/python
2fbabeba902e: Mounted from library/python
ee509ed6e976: Mounted from library/python
9177197c67d0: Mounted from library/python
7dbadf2b9bd8: Mounted from library/python
e7597c345c2e: Mounted from library/python
dockertp: digest: sha256:53eacdc80a1545596d1d1f2d22155d6b7267e9c3d25fcd2ff70f85dd83a666f8 size: 3470
PS C:\Users\Cédric\Desktop\DevOps TP1 Docker\DOcker> docker run --env LAT="5.902785" --env LONG="102.754175" --env API_K
EY="240aa650f4db4e154a07d0459c30a347" dockertp
{'coord': {'lon': 102.7542, 'lat': 5.9028}, 'weather': [{'id': 802, 'main': 'Clouds', 'description': 'scattered clouds',
 'icon': '03n'}], 'base': 'stations', 'main': {'temp': 300.6, 'feels_like': 303.11, 'temp_min': 300.6, 'temp_max': 300.6
, 'pressure': 1009, 'humidity': 73, 'sea_level': 1009, 'grnd_level': 982}, 'visibility': 10000, 'wind': {'speed': 4.41,
'deg': 128, 'gust': 4.82}, 'clouds': {'all': 29}, 'dt': 1654438209, 'sys': {'country': 'MY', 'sunrise': 1654383247, 'sun
set': 1654428060}, 'timezone': 28800, 'id': 1736405, 'name': 'Jertih', 'cod': 200}
```

- Mise à disposition du code dans un repository Github : https://github.com/CedricSamboun/TP1_Docker.git