DevOPS TP1

Script python afin de récupérer les données sur la météo à l'aide de l'API OpenWeather :

```python
from requests import Request, Session, Response
import os

def weather(lat, lon, apiKey):
    try:
        url = 'http://api.openweathermap.org/data/2.5/weather'
        params = {
            'lat': lat,
            'lon': lon,
            'appid': apiKey
        }
        sess = Session()
        req = Request('GET', url, params=params)
        prepped = req.prepare()
        resp = sess.send(prepped)
        return resp.json()
    except Exception as e:
        return e


lat = os.environ['LAT']
lon = os.environ['LONG']
apiKey = os.environ['API_KEY']

print(weather(lat,lon,apiKey))
```

Dockerfile :

```dockerfile
FROM python:3.8

RUN apt update
RUN apt install python3

# set the working directory in the container
WORKDIR C:/Users/Chamss/OneDrive/Bureau/tp1DevOPS

COPY api.py ./

# copy the dependencies file to the working directory
COPY requirements.txt .

# install dependencies
RUN pip install -r requirements.txt

# command to run on container start
CMD [ "python3", "./api.py" ]
```

Les commandes utilisées :

Docker build -t tp1

docker run --env LAT="5.902785" --env LONG="102.754175" --env API_KEY=**** tp1

Docker login -u chamss92

Dockers images

Docker tag b59f3098a80a chamss92/tp1:tp1

Docker push chamss92/tp1:tp1