Devops TP1

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I used Python as it is an easy language that I use at work and that I am familiar with. The goal was to create a wrapper to would return to us the weather using an Openweather API and Docker.

The step after creating my python code and Dockerfile were these:

```
C:\Users\tahit\OneDrive\Documents\Devops>pipreqs C:\Users\tahit\OneDrive\Documents\Devops
INFO: Successfully saved requirements file in C:\Users\tahit\OneDrive\Documents\Devops\requirements.txt

C:\Users\tahit\OneDrive\Documents\Devops>docker build -t Devops
invalid argument "Devops" for "-t, --tag" flag: invalid reference format: repository name must be lowercase
See 'docker build --help'.

C:\Users\tahit\OneDrive\Documents\Devops>docker build -t Devops .
invalid argument "Devops" for "-t, --tag" flag: invalid reference format: repository name must be lowercase
See 'docker build --help'.
```

I changed my folder name to full lowercase, that's why the name went from Devops to devopsuno.

To find the image we also need to type : docker run -p 5000:5000 --env LAT="6.675" --env LONG="80.76" --env APIKEY="myweatherkey" --rm mywrapper

The next steps to use docker container with my folder were:

```
C:\Users\tahit\OneDrive\Documents\devopsuno>docker build -t devopsuno .
[+] Building 173.6s (13/13) FINISHED
```

```
C:\Users\tahit\OneDrive\Documents\devopsuno>docker images
REPOSITORY    TAG      IMAGE ID        CREATED           SIZE
devopsuno     latest   dad1b88b399e    About a minute ago   943MB
alpine/git    latest   241890ad72b1    2 weeks ago          38.2MB

C:\Users\tahit\OneDrive\Documents\devopsuno>docker tag dad1b88b399e devopsuno

C:\Users\tahit\OneDrive\Documents\devopsuno>docker login -u ainolle
Password:
Login Succeeded
```

```
C:\Users\tahit\OneDrive\Documents\devopsuno>docker tag dad1b88b399e ainolle/weather:devopsuno

C:\Users\tahit\OneDrive\Documents\devopsuno>docker push ainolle/weather:devopsuno
The push refers to repository [docker.io/ainolle/weather]
b67fafc61af3: Pushed
c234e629711c: Pushed
f5467fb60cfb: Pushed
94ffcac9e296: Pushed
423984ea6726: Pushed
e1ef55a0326a: Pushed
c6679bcc482d: Mounted from library/python
aedb4b362167: Mounted from library/python
285c8ba236e9: 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
devopsuno: digest: sha256:f623c28c514c0080dc5352a491de4b8578041fbe4f54f1571e002200a98d3982 size: 3470
```

Giving us this result on Docker with our repository:

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
ainolle/weather		devopsuno	dad1b88b399e	8 minutes ago	943.15 MB
alpine/git	IN USE	latest	241890ad72b1	19 days ago	38.23 MB
devopsuno		latest	dad1b88b399e	8 minutes ago	943.15 MB
devopsuno/weather		latest	dad1b88b399e	8 minutes ago	943.15 MB