

Rendu lab40

Create dockerfile

```
PS C:\Users\omar\ESGI-4IABD-janvier-2025> mkdir myapp

Répertoire : C:\Users\omar\ESGI-4IABD-janvier-2025

Mode                LastWriteTime         Length Name
----                -
d-----         28/08/2025         11:09         myapp

PS C:\Users\omar\ESGI-4IABD-janvier-2025> cd .\myapp\
```

```
# Base image
FROM python:3.9-slim

# Maintainer + version info
LABEL maintainer="omar.kaabi@esprit.tn" \
      version="1.0"

# Set working directory
WORKDIR /app

# Copy dependencies and install them
COPY requirements.txt /app/requirements.txt
RUN pip install --no-cache-dir -r requirements.txt

# Copy application code
COPY app.py /app/app.py

# Expose port
EXPOSE 9090

# Command to run the app
CMD ["python", "app.py"]
```

(Voir myapp/Dockerfile)

Build the image

```
PS C:\Users\omar\ESGI-4IABD-janvier-2025\myapp> docker build -t omar823/my_flask:1.0 .
[+] Building 16.8s (11/11) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 484B 0.0s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.9-slim 1.9s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/5] FROM docker.io/library/python:3.9-slim@sha256:914169c7c8398b1b90c0b0ff921c8027445e39d7c25dc440337e56ce0f2566e6 10.3s
=> => resolve docker.io/library/python:3.9-slim@sha256:914169c7c8398b1b90c0b0ff921c8027445e39d7c25dc440337e56ce0f2566e6 0.0s
=> => sha256:914169c7c8398b1b90c0b0ff921c8027445e39d7c25dc440337e56ce0f2566e6 10.36kB / 10.36kB 0.0s
=> => sha256:213766eae7e1ad5da6140428e7f15db89f2c83caf906cc06fc9c5c8a0028e3b6 1.74kB / 1.74kB 0.0s
=> => sha256:28f8802246faa922c08dd76e3ec467e3cb4278af72e99e1afa2f68dfb9ea991d 5.30kB / 5.30kB 0.0s
=> => sha256:396b1da7636e2dcd10565cb4f2f952cbb4a8a38b58d3b86a2cacb172fb70117c 29.77MB / 29.77MB 8.0s
=> => sha256:0219e1e5e6ef3ef9d91f78826576a112b1c20622c10c294a4a105811454d1cb1 1.29MB / 1.29MB 1.3s
=> => sha256:5ec99fe17015e703c289d110b020e4e362d5b425be957d68bfb400d56d83f234 13.37MB / 13.37MB 5.6s
=> => sha256:ea3499df304f0a84e9f076a05f0cfe2a64d8fcb884894ce682df9204c6a18a91 249B / 249B 1.7s
=> => extracting sha256:396b1da7636e2dcd10565cb4f2f952cbb4a8a38b58d3b86a2cacb172fb70117c 1.1s
=> => extracting sha256:0219e1e5e6ef3ef9d91f78826576a112b1c20622c10c294a4a105811454d1cb1 0.1s
=> => extracting sha256:5ec99fe17015e703c289d110b020e4e362d5b425be957d68bfb400d56d83f234 0.5s
=> => extracting sha256:ea3499df304f0a84e9f076a05f0cfe2a64d8fcb884894ce682df9204c6a18a91 0.0s
=> [internal] load build context 0.6s
=> => transferring context: 280B 0.5s
=> [2/5] WORKDIR /app 0.2s
=> [3/5] COPY requirements.txt /app/requirements.txt 0.1s
=> [4/5] RUN pip install --no-cache-dir -r requirements.txt 4.0s
=> [5/5] COPY app.py /app/app.py 0.0s
=> exporting to image 0.2s
=> => exporting layers 0.1s
=> => writing image sha256:0ddcab0a0d7199e5a0a32d9d7243bb41a6801d4e029469c7ae489c0e1c467033 0.0s
=> => naming to docker.io/omar823/my_flask:1.0 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
```

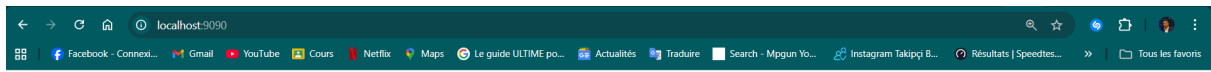
Push the image

```
PS C:\Users\omar\ESGI-4IABD-janvier-2025\myapp> docker push omar823/my_flask:1.0
The push refers to repository [docker.io/omar823/my_flask]
ab3600fa4453: Pushed
b0f4f2572f42: Pushed
ddb12120544d: Pushed
f56fad64b8f5: Pushed
1e14701bee48: Mounted from library/python
dd6300239975: Mounted from library/python
2cbd282d81a0: Mounted from library/python
e6a3842ebc7f: Mounted from library/python
1.0: digest: sha256:a9fdf4b61ce9d4ee6f613d15828e52ae2cf4c03787e78ae20c12d60828b29c99 size: 1990
```

Run the app

```
PS C:\Users\omar\ESGI-4IABD-janvier-2025\myapp> docker run --name app -d -p 9090:9090 omar823/my_flask:1.0
ad4102afb25a43e42f5dc9a5894a65e6511909fc8bd71cf0eef03d358d2dc266
PS C:\Users\omar\ESGI-4IABD-janvier-2025\myapp> |
```

<http://localhost:9090/>



This is a sfeir school about Docker !