Yanis EMMUNGIL Final Project Cr :

DockerFile :

```
FROM python:latest
```
dernière version de python

```
COPY . manager_pack
```
On met tout (d'où le point) sous forme d'un package pour tout charge d'un

Coup

```
RUN pip install psycopg2
RUN wget https://raw.githubusercontent.com/vishnubob/wait-f
RUN chmod +x /wait-for-it.sh
ENTRYPOINT ["/wait-for-it.sh", "db:5432", "--"]
```
On installe les packages + code du git

```
CMD ["python", "-m", "manager_pack"]
```
On ouvre tout sous la forme de package (initialisé plus haut)

Docker-compose :

```
version: '3'
services:
  postgres:
    image: postgres:latest
    volumes:
      - Postgres_data:/var/lib/Postgres
    restart: always
    environment:
      POSTGRES_USER: "user"
      POSTGRES_PASSWORD: "pass"
      POSTGRES_DATABASE: "db"
    ports:
      - "8000:5432"
```

Ici on fait le service postgres. On a pris soit de regarder dans les script .py comme config pour les variables d'environnement. Les ports sont aussi renseignés dans les codes pythons du git.

```
  manager:
    depends_on:
     - postgres
    build:
      context: "./manager"
      dockerfile: "Dockerfile"
    image: test3011
    environment:
      CSV_FILENAME: "data.csv"
      POSTGRES_USER: "user"
      POSTGRES_PASSWORD: "pass"
      POSTGRES_DATABASE: "db"
    links:
      - "postgres:db"
volumes:
  Postgres_data: {}
```

Ici on s'occupe de l'app. On la fait dépendre de postgres, on la build et on renseigne les même variable d'environnement en précisant le lien du csv du git.

On link ! Links nous permet ici de définir des extra alias pour que les services communiquent, sans ca il me semble que ca ne marche pas

Resultat des courses :

```
postgres_1  |
postgres_1  | PostgreSQL init process complete; ready for start up.
postgres_1  |
postgres_1  | 2020-11-30 12:51:06.247 UTC [1] LOG:  starting PostgreSQL 13.1 (Debian 13.1-1.pgdg100+
postgres_1  | 2020-11-30 12:51:06.247 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
postgres_1  | 2020-11-30 12:51:06.247 UTC [1] LOG:  listening on IPv6 address "::", port 5432
postgres_1  | 2020-11-30 12:51:06.253 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s
postgres_1  | 2020-11-30 12:51:06.260 UTC [64] LOG:  database system was shut down at 2020-11-30 12:
postgres_1  | 2020-11-30 12:51:06.269 UTC [1] LOG:  database system is ready to accept connections
manager_1   | wait-for-it.sh: db:5432 is available after 2 seconds
manager_1   | Successfully connected to Postgres Server
manager_1   |
manager_1   | Created table successfully
manager_1   |
manager_1   | Added the CSV successfully !
```