CONTAINERIZE THE APP
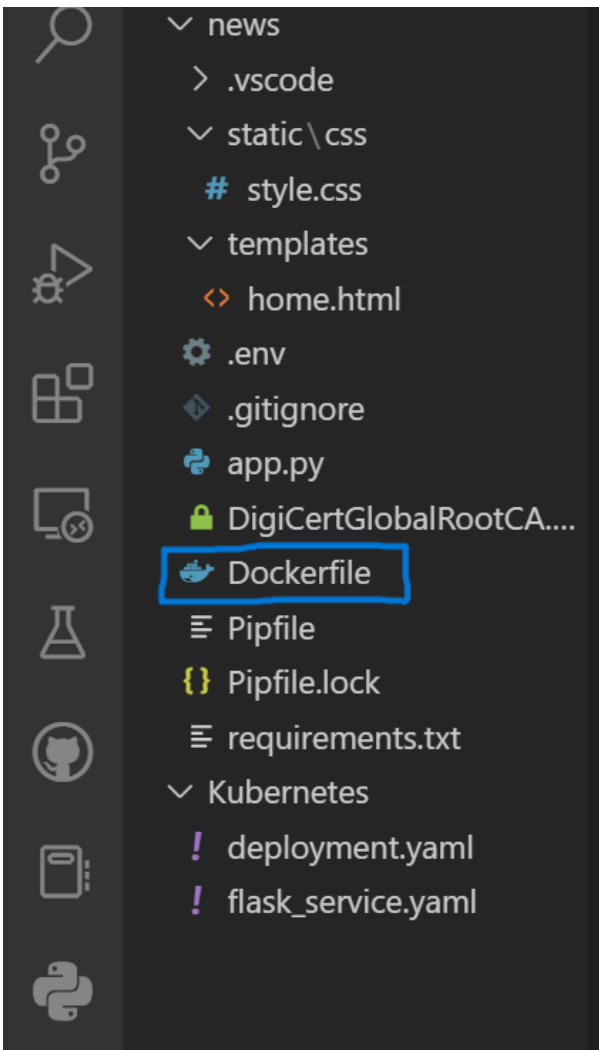
1.In your project directory, create a file named Dockerfile.

2.Dockerfile

```
FROM python:3.10.6

WORKDIR /app

COPY . .

RUN pip install --no-cache-dir -r requirements.txt

CMD ["ibm_db2", "--bind", "0.0.0.0:5000", "app:app"]
```

3.Build an image from the Dockerfile , Run your container locally and test.

```
C:\news>docker build -t app:latest .
[+] Building 1.8s (10/10) FINISHED
 => [internal] load build definition from Dockerfile                                                    0.0s
 => => transferring dockerfile: 32B                                                                     0.0s
 => [internal] load .dockerignore                                                                       0.0s
 => => transferring context: 2B                                                                         0.0s
 => [internal] load metadata for docker.io/library/python:3.10.6                                        1.6s
 => [auth] library/python:pull token for registry-1.docker.io                                           0.0s
 => [internal] load build context                                                                       0.0s
 => => transferring context: 478B                                                                       0.0s
 => [1/4] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d29677cb03e6aa  0.0s
 => CACHED [2/4] WORKDIR /app                                                                            0.0s
 => CACHED [3/4] COPY . .                                                                                0.0s
 => CACHED [4/4] RUN pip install --no-cache-dir -r requirements.txt                                      0.0s
 => exporting to image                                                                                  0.0s
 => => exporting layers                                                                                  0.0s
 => => writing image sha256:a13d98f53a06f5f168993cf8875d6ee151d5fd4255c7d99a10bc346fef4459be             0.0s
 => => naming to docker.io/library/app:latest                                                           0.0s

C:\news>docker run -d -p 5000:5000 app
cff62d22b8c31004abf2dadd769f5c1a6cc095213e4ba2780ab5cfa89c2df2d7
```