<https://www.docker.com/blog/containerized-python-development-part-1/>

1. Keep the file structure as below

app  
├─── requirements.txt  
└─── src  
     └─── server.py

1. Create a requirements.txt file with the following content in the app (root folder which contains the src folder)

Flask===1.1.1

Flask-RESTful===0.3.8

joblib===0.17.0

pandas===1.1.5

sklearn===0.0

1. Create the following Dockerfile in the app (root folder which contains the src folder)

# set base image (host OS)

FROM python:3.8

# set the working directory in the container

WORKDIR /code

# copy the dependencies file to the working directory

COPY requirements.txt .

# install dependencies

RUN pip install -r requirements.txt

# copy the content of the local src directory to the working directory

COPY src/ .

# command to run on container start

CMD [ "python", "./app.py" ]



1. Go to the root folder where the Dockerfile is present and run the below command

 docker build -t catenaml .

1. To start the image

docker run -d -p 5444:5444 catenaml

1. To start the image with a docker bridge

docker run -d -p 5444:5444 --name catenaml --network catenabend catenaml

1. In Post man the URL can be accessed as

http://127.0.0.1:5444