Working with docker container method

Step 1: Create a docker image (Package) in VS CODE

Create a new file named dockerfile it will auto ask for installing Docker.

Install it

FROM python:3.9.19-slim

RUN pip install streamlit

WORKDIR /var

COPY etl.py /var/

EXPOSE  8501

CMD ["streamlit","RUN","etl.py"]

Step 2:

Created new ec2 instance and opened it in mobaxterm

Step 3:

Copied both file Docker file and etl.py in ec2 by dragging like previous one.

Step 4:

#install docker by below cmd

sudo yum update

sudo yum install docker -y

Step 5:

sudo service docker start

Step 6:

sudo usermod -aG docker ec2-user

Step 7

#Restart ec2 by

sudo reboot

R

Step 8

#build docker image by dockerfile

docker build -t myapp . #. represents location

Step 9:

#List docker images

docker images

Step 10: # Create a container using docker image

docker run -p 8501:8501 myapp # external port : internal port

After running copy the external url and paste it in chrome

Running Successfully.