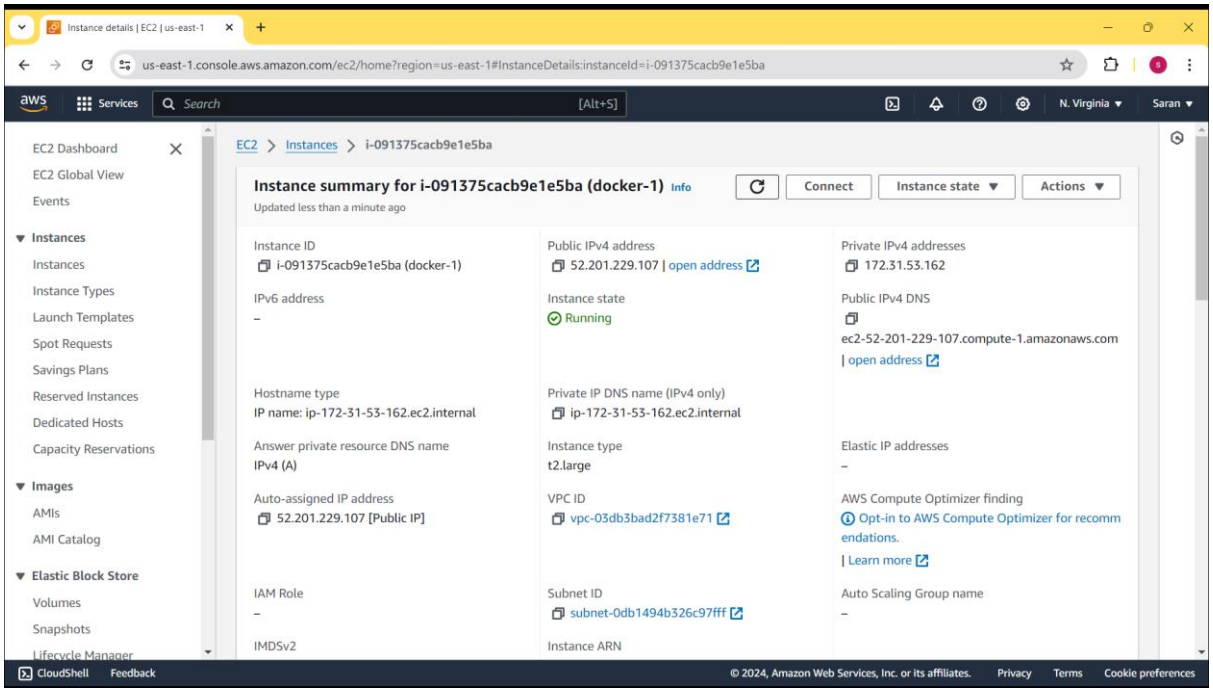
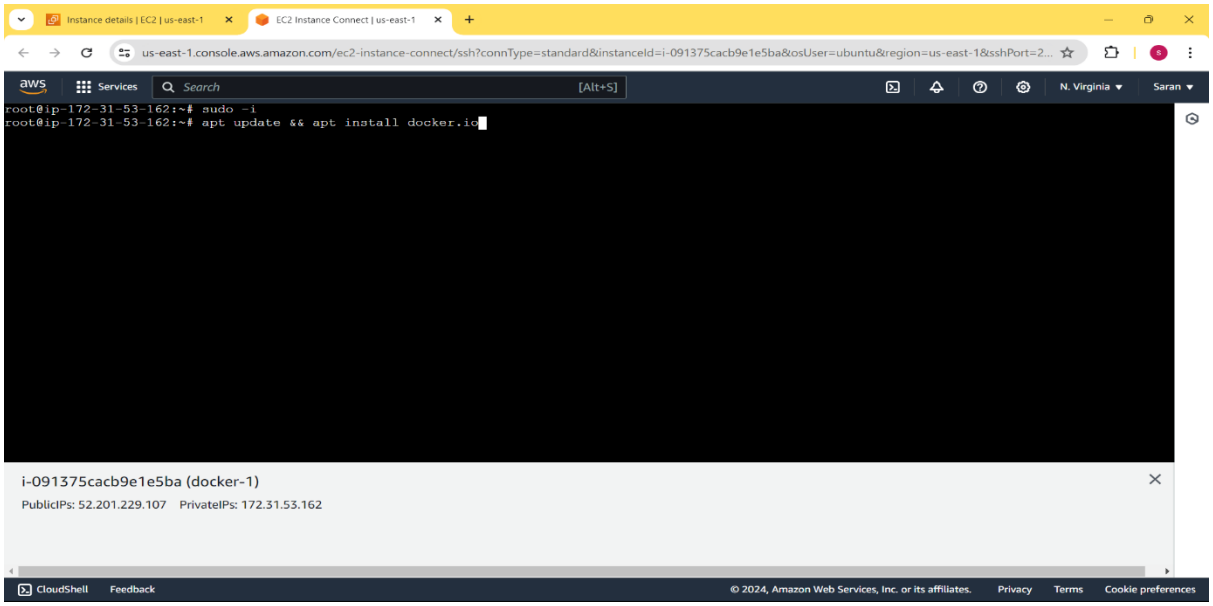
EXPOSING A SIMPLE PYTHON SCRIPT IN DOCKER CONTAINERS THROUGH PORTS

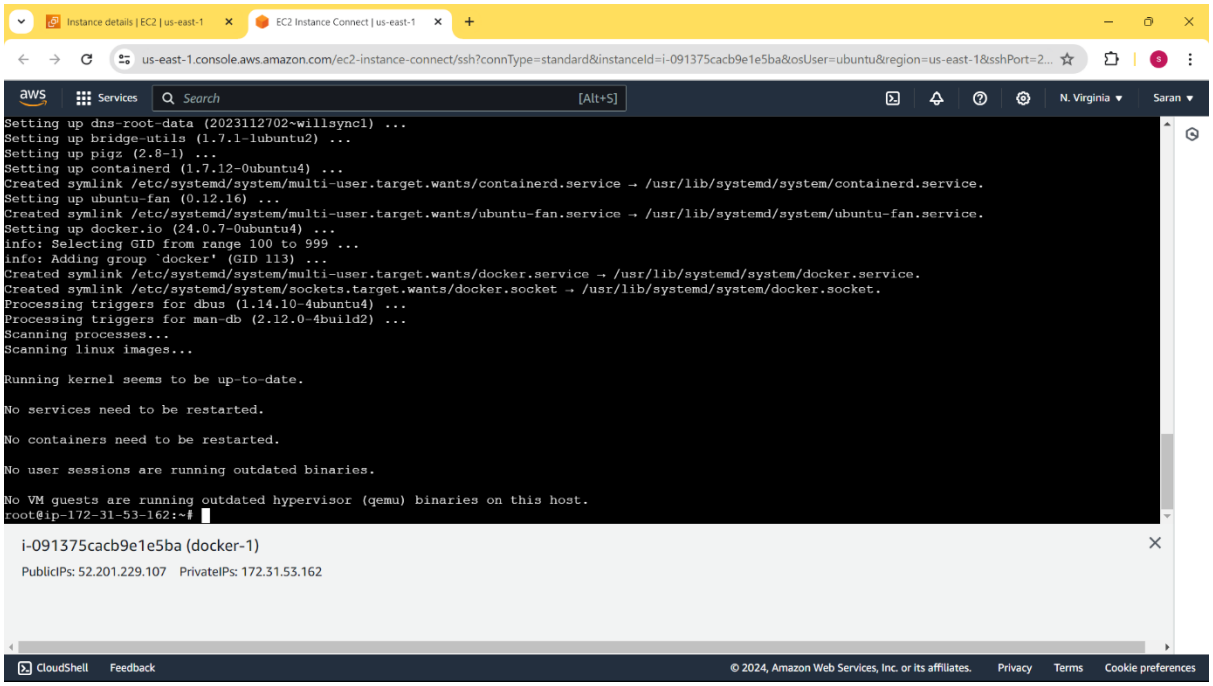
• First launch an EC2 instance of instance-type “t2.large”

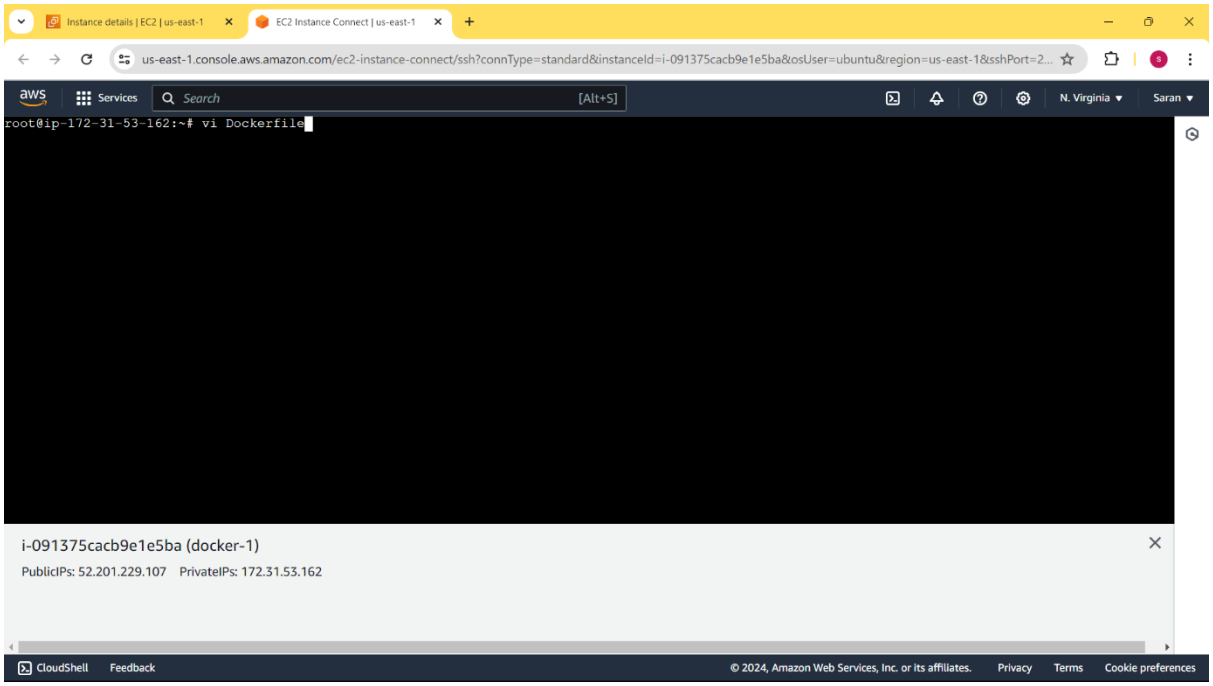


• Next connect to the instance and run these commands Sudo -i apt update && apt install docker.io



- After installing docker write “Dockerfile” and python application script using “.py” extension.




Instance details | EC2 | us-east-1
EC2 Instance Connect | us-east-1
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-091375cacb9e1e5ba&osUser=ubuntu&region=us-east-1&sshPort=2...
aws
Services
Search
[Alt+S]
N. Virginia
Saran
root@ip-172-31-53-162:~# vi Dockerfile
i-091375cacb9e1e5ba (docker-1)
PublicIPs: 52.201.229.107 PrivateIPs: 172.31.53.162
CloudShell
Feedback
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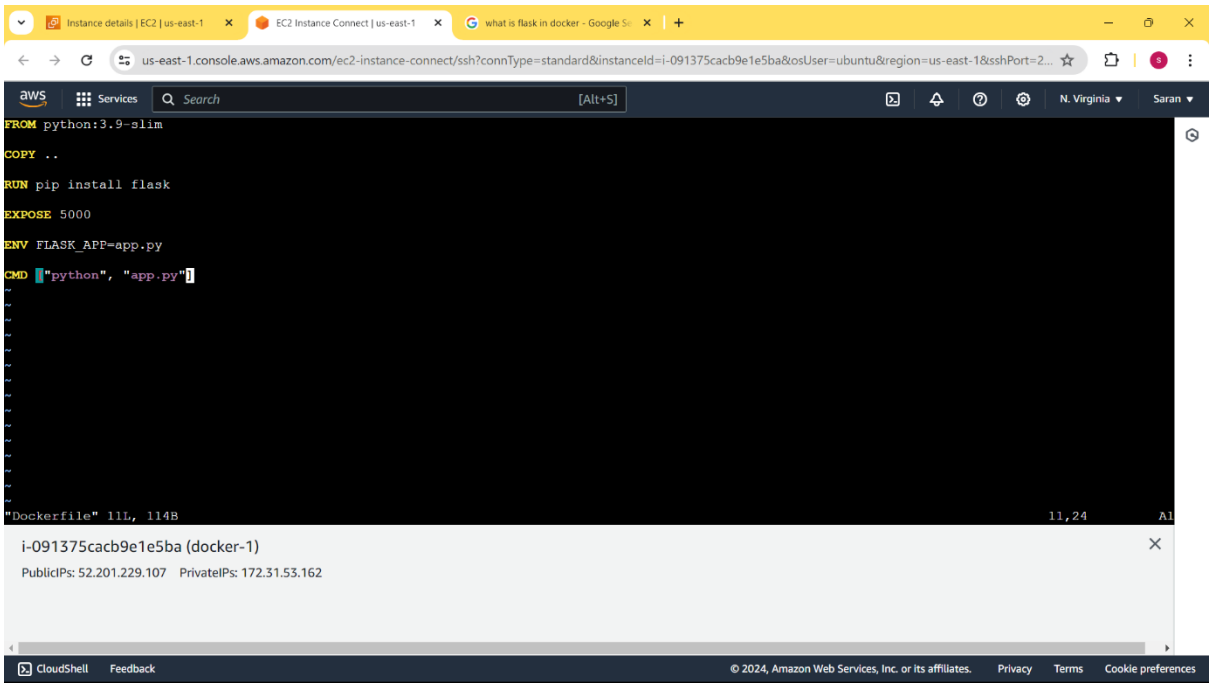
Instance details | EC2 | us-east-1
EC2 Instance Connect | us-east-1
what is flask in docker - Google Se
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-091375cacb9e1e5ba&osUser=ubuntu&region=us-east-1&sshPort=2...
aws
Services
Search
[Alt+S]
N. Virginia
Saran
FROM python:3.9-slim
COPY ..
RUN pip install flask
EXPOSE 5000
ENV FLASK_APP=app.py
CMD ["python", "app.py"]
"Dockerfile" 11L, 114B
11,24
i-091375cacb9e1e5ba (docker-1)
PublicIPs: 52.201.229.107 PrivateIPs: 172.31.53.162
CloudShell
Feedback
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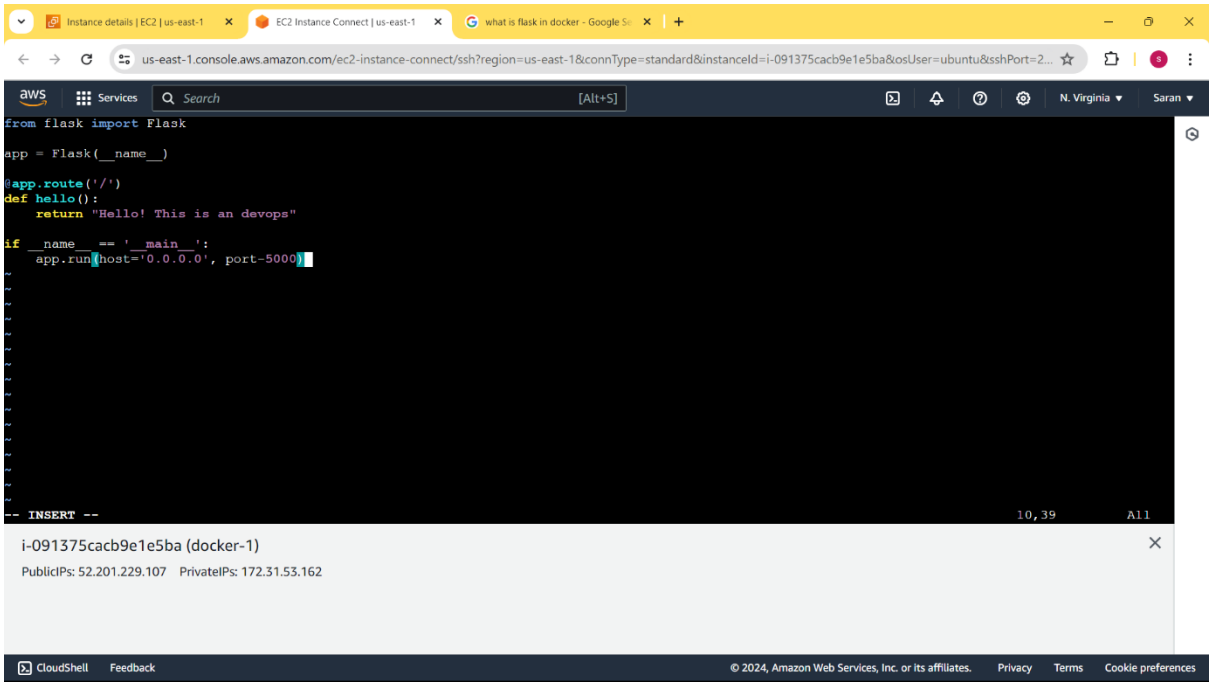
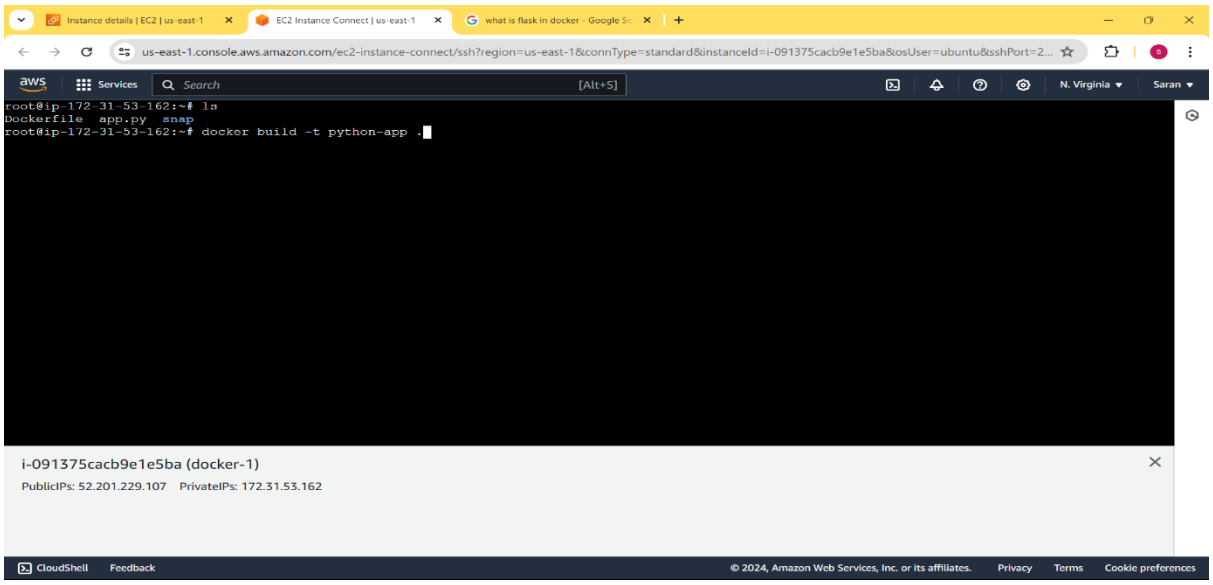
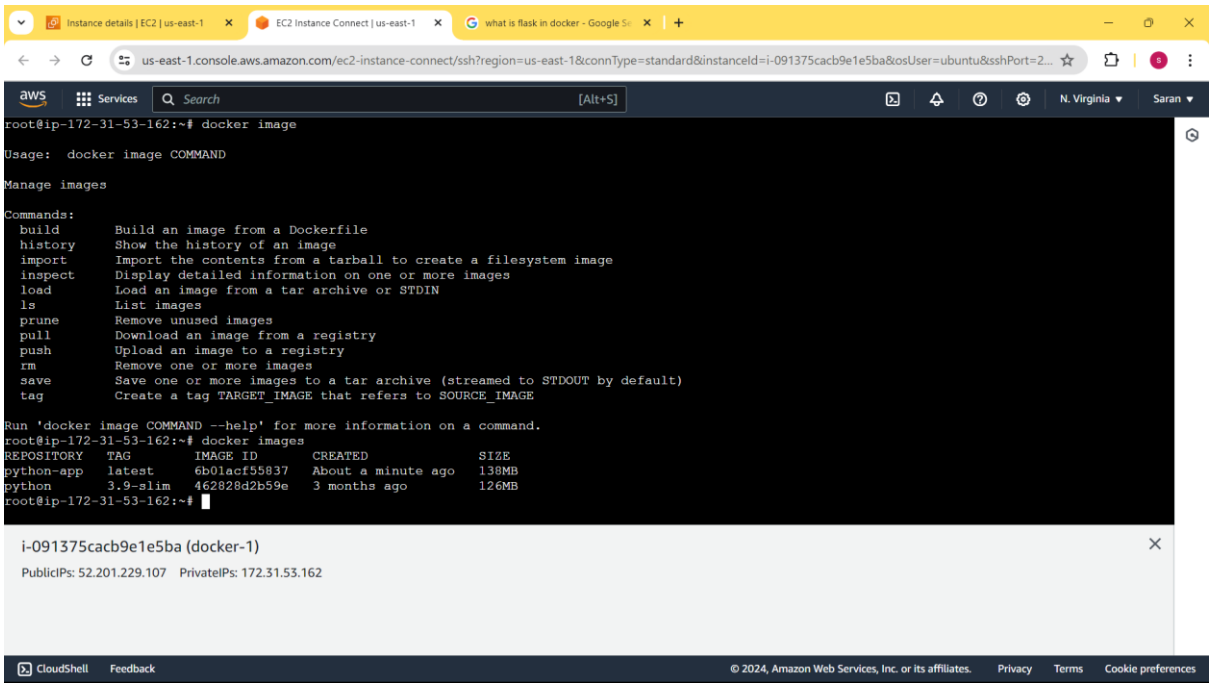


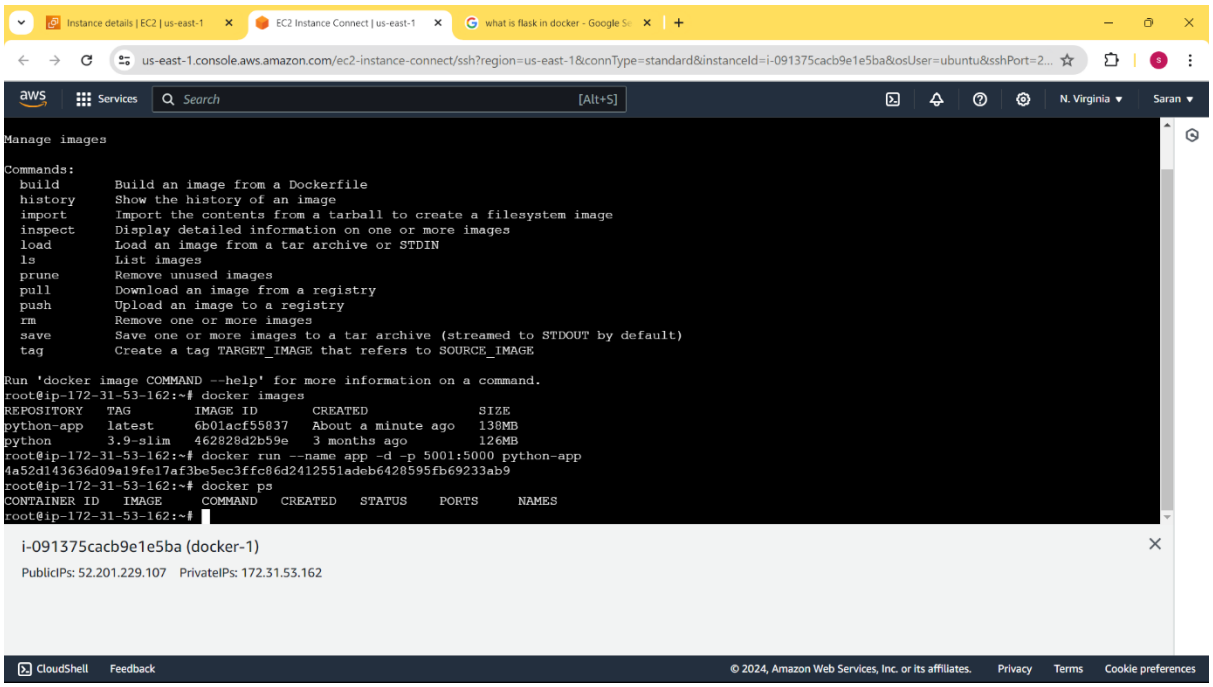
- Now it is time to build the image from our Dockerfile.



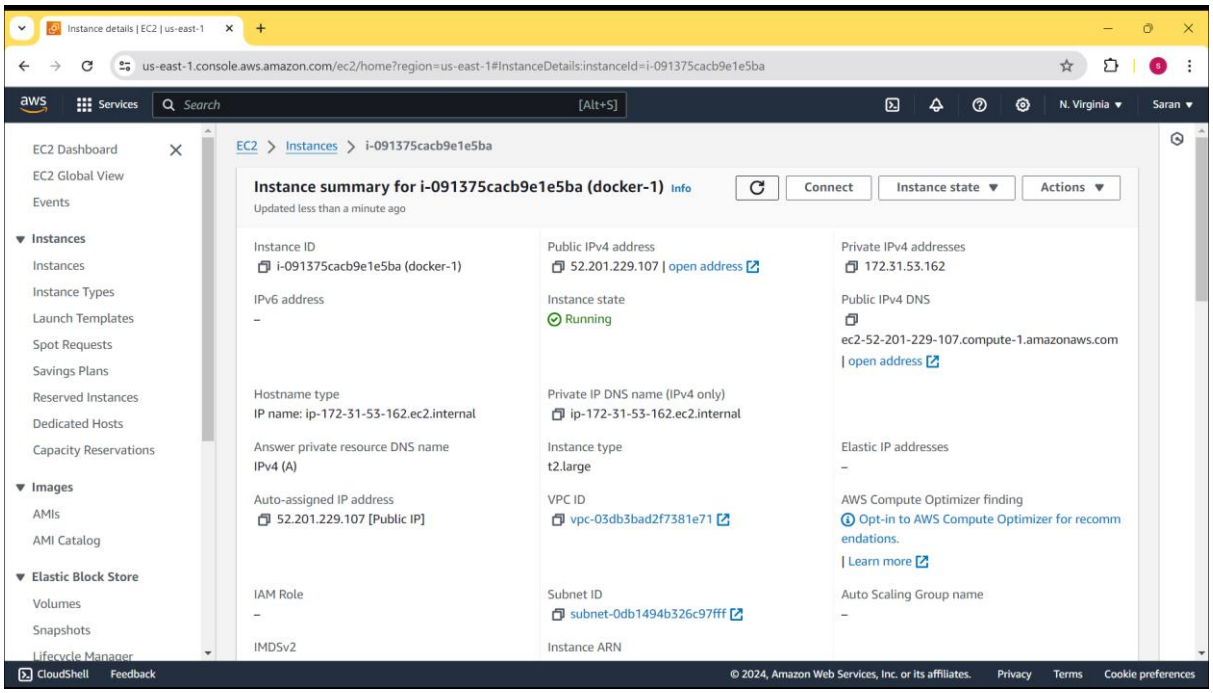
- Now create a container using this image.



- Check whether the container is running.



- Now access the application using the public-ip address of the instance and the port number.



- We successfully run our python script in docker container.