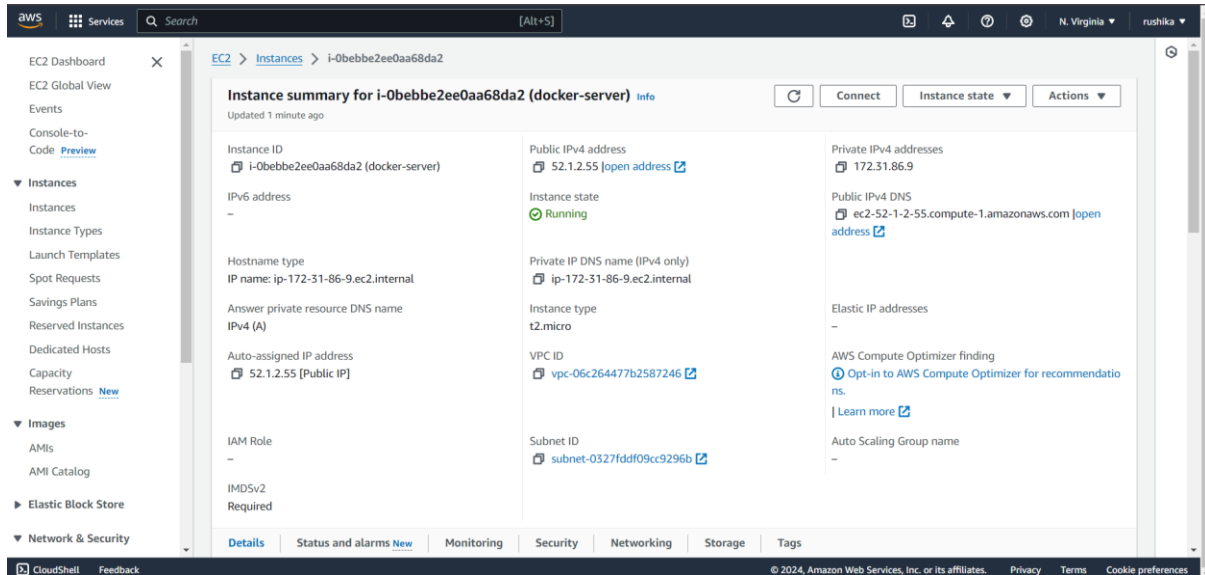


Task-12

Write a Docker compose file to define a multi-container application setup.

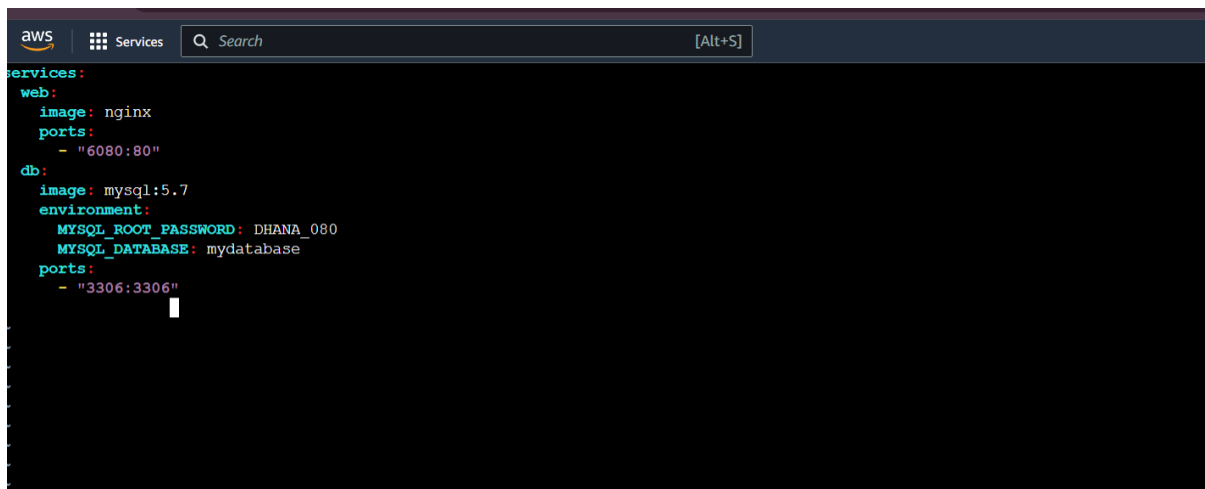
Create a Docker server in AWS.



Then, install docker & docker compose on the server.

```
root@ip-172-31-86-9:~# docker-compose --version
docker-compose version 1.29.2, build 5becea4c
root@ip-172-31-86-9:~# docker --version
Docker version 24.0.5, build 24.0.5-0ubuntu1~22.04.1
root@ip-172-31-86-9:~#
```

Write a Docker compose file. (web, db)



Use “docker-compose up -d” command to execute this script.

Then check docker container. Use this command “docker ps” list the docker containers.

```
root@ip-172-31-86-9:~# docker compose up -d
Pulling web (nginx:...)...
latest: Pulling from library/nginx
3a1e25ce7c4f: Already exists
e78b137be355: Pull complete
89fc875bd2b2: Pull complete
035788421403: Pull complete
87c3fb37cbf2: Pull complete
e5cdd1ce752d: Pull complete
83952c599532: Pull complete
Digest: sha256:6db391d1c0cfb30588ba0bf72ea999404f2764febf0f1f196acd5867ac7efa7e
Status: Downloaded newer image for nginx:latest
Pulling db (mysql:5.7)...
5.7: Pulling from library/mysql
20e4dcae4c69: Pull complete
c56c3d4ce74: Pull complete
9f03a1c24ce: Pull complete
8c3898c2015: Pull complete
5b95a940e7b6: Pull complete
0986bb8de6e: Pull complete
e71319cb779: Pull complete
ffc89e9dfd88: Pull complete
3d05e938198: Extracting [=====>] 34.54MB/56.29MB
064b2d298fba: Download complete
ff9a4d85569b: Download complete
```

Then check docker container whether create or not.

Use this command “docker ps”. This command list the docker containers.

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0bebbe2ee0aa68da2&osUser=ubuntu&region=us-east-1&sshPort=22#/?
aws Services Search [Alt+S]
7c3fb37cbf2: Pull complete
5cdd1ce752d: Pull complete
83952c599532: Pull complete
Digest: sha256:6db391d1c0cfb30588ba0bf72ea999404f2764febf0f1f196acd5867ac7efa7e
Status: Downloaded newer image for nginx:latest
Pulling db (mysql:5.7)...
5.7: Pulling from library/mysql
20e4dcae4c69: Pull complete
c56c3d4ce74: Pull complete
9f03a1c24ce: Pull complete
8c3898c2015: Pull complete
5b95a940e7b6: Pull complete
0986bb8de6e: Pull complete
e71319cb779: Pull complete
ffc89e9dfd88: Pull complete
3d05e938198: Pull complete
064b2d298fba: Pull complete
ff9a4d85569b: Pull complete
Digest: sha256:4bc6bc963e6d844345367cae56536f4b8156d78bae03c0145cbe47c2aad73bb
Status: Downloaded newer image for mysql:5.7
Creating root_web_1 ... done
Creating root_db_1 ... done
root@ip-172-31-86-9:~# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
30767b30258	mysql:5.7	"/docker-entrypoint.s..."	40 seconds ago	Up 38 seconds	0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp	root_db_1
63c8884aeb0	nginx	"/docker-entrypoint..."	40 seconds ago	Up 38 seconds	0.0.0.0:6080->80/tcp, :::6080->80/tcp	root_web_1

```
root@ip-172-31-86-9:~#
```

i-0bebbe2ee0aa68da2 (docker-server)
PublicDns: 53.12.55 PublicDns: 172.31.95.0