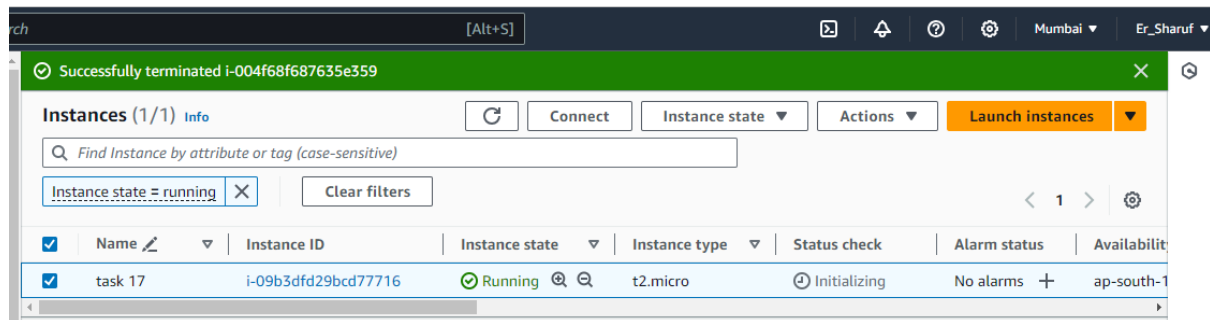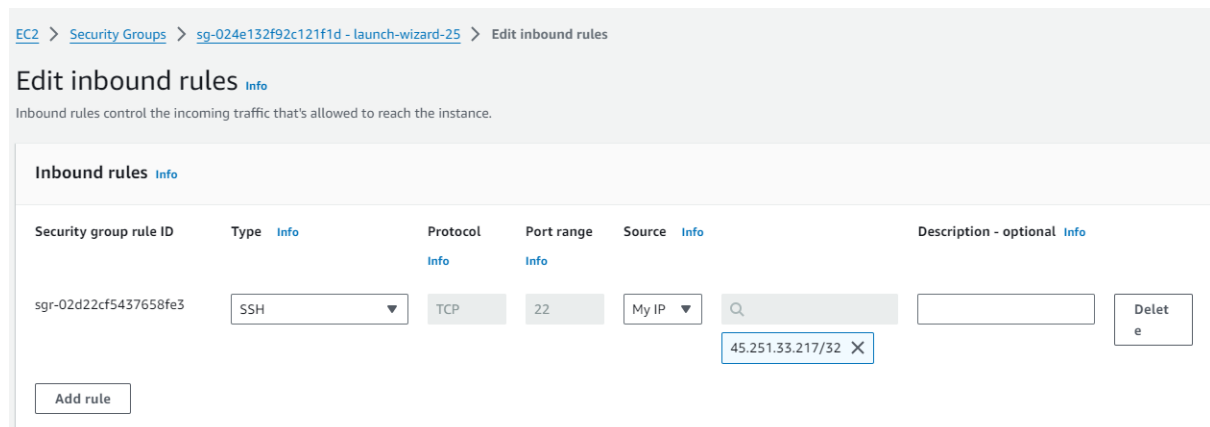**Name:** Z.MD SHARUF RAJ
Batch: D015

Task 17:

Question: Launch a t2.micro instance in Mumbai region where ssh can be done only from your IP address with docker and docker-compose installed in it.

Solution:

1.Creating EC2 instance with Mumbai server.

2. Security Group of the instance:

3.Connect instance in SSH client:

```
ubuntu@ip-172-31-8-165: ~

 System information as of Fri Dec  8 11:38:44 UTC 2023

  System load:  0.0107421875      Processes:            100
  Usage of /:   20.5% of 7.57GB   Users logged in:      0
  Memory usage: 22%               IPv4 address for eth0: 172.31.8.165
  Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-8-165:~$
```

4. Installing Docker and Docker-compose in SSH client:

```
ubuntu@ip-172-31-8-165:~$ docker --version
Docker version 24.0.5, build 24.0.5-0ubuntu1~22.04.1
ubuntu@ip-172-31-8-165:~$
```

```
ubuntu@ip-172-31-8-165:~$ docker-compose --version
docker-compose version 1.29.2, build unknown
ubuntu@ip-172-31-8-165:~$
```