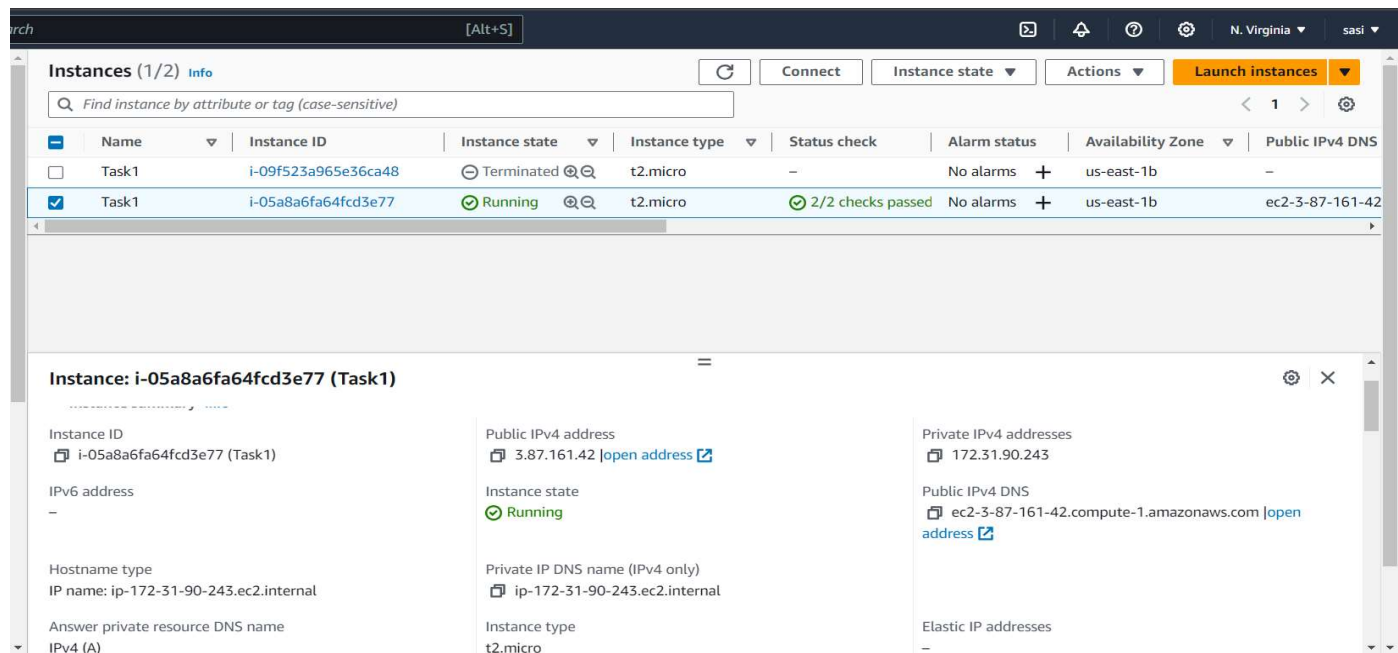


## TASK 1 - EC2

Problem Statement: You work for XYZ Corporation. Your corporation wants to launch a new web-based application using AWS Virtual Machines. Configure the resources accordingly for the tasks. Tasks To Be Performed:

1. Create an instance in the US-East-1 (N. Virginia) region with an Ubuntu OS and install Nginx for making them web servers.
2. Change the default website with a page displaying the message: "Hello World".

- 1) Answer : Create an instance by using ubuntu OS in US-East-1 (N.virginia) region below i have created.



Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Task1	i-09f523a965e36ca48	Terminated	t2.micro	-	No alarms	us-east-1b	-
Task1	i-05a8a6fa64fcd3e77	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-3-87-161-42

Instance ID	i-05a8a6fa64fcd3e77 (Task1)	Public IPv4 address	3.87.161.42 <a href="#">open address</a>	Private IPv4 addresses	172.31.90.243
IPv6 address	-	Instance state	Running	Public IPv4 DNS	ec2-3-87-161-42.compute-1.amazonaws.com <a href="#">open address</a>
Hostname type	IP name: ip-172-31-90-243.ec2.internal	Private IP DNS name (IPv4 only)	ip-172-31-90-243.ec2.internal	Elastic IP addresses	-
Answer private resource DNS name	IPv4 (A)	Instance type	t2.micro		

And connect that instance to the server and to install nginx follow below steps.

Sudo apt-get install nginx

To check nginx version give command

nginx -v

To check status

Sudo systemctl status nginx

Then status change to active (running)

Now access the public IPv4 address on next tab it will show welcome to nginx

2)

Next same server give the following commands

```
cd /etc/nginx/sites-available
```

Next to check give

ls (command there you will find default folder)

Next command

```
sudo cat default
```

Then you will find (root /var/www/html;)

Then give following commands one by one

```
cd /var/www/html/
```

ls (then you will find index.nginx-debian.html)

ls -lah (it will show 12k)

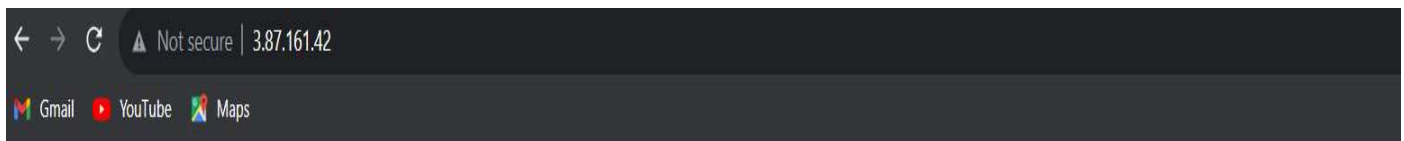
Next

```
Sudo nano index.html
```

After that one index page will open there you can type a message whatever you want then enter CTRL+O and CTRL+X.( I had given "HELLO WORLD")

ls -lah (it will show 16k)

Lastly refresh the public IPv4 address on next tab it will show "HELLO WORLD"



"HELLO WORLD"