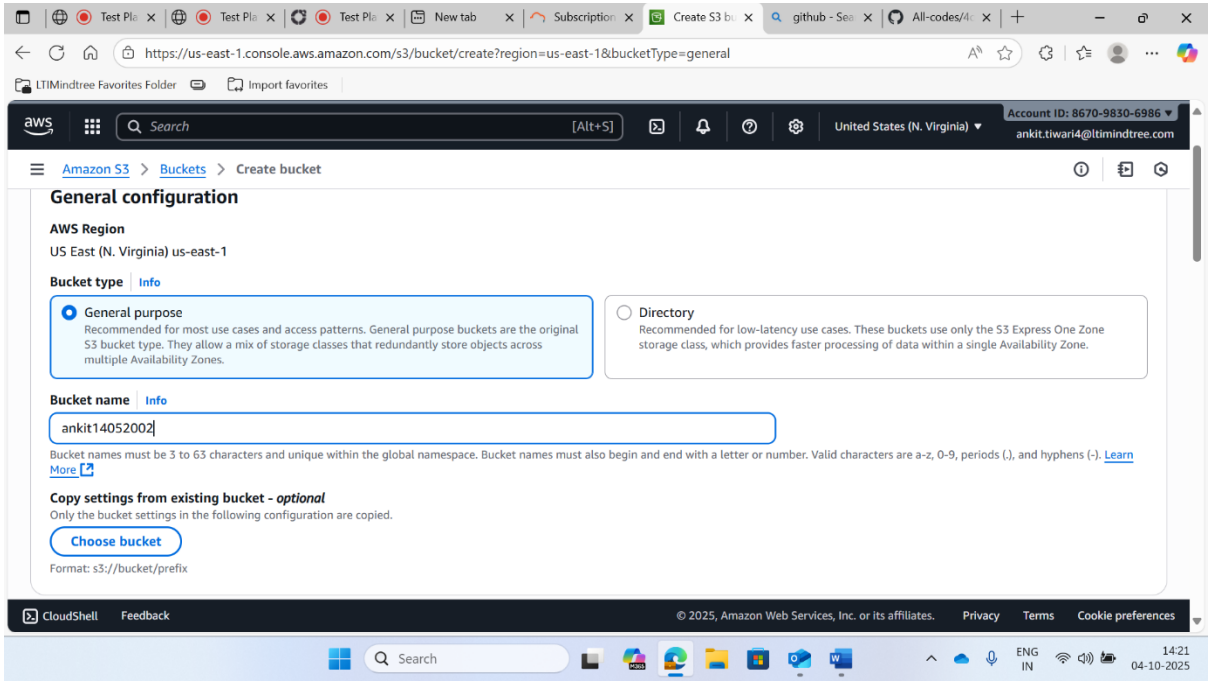
Milestone Assessment 1

Name: Ankit Tiwari

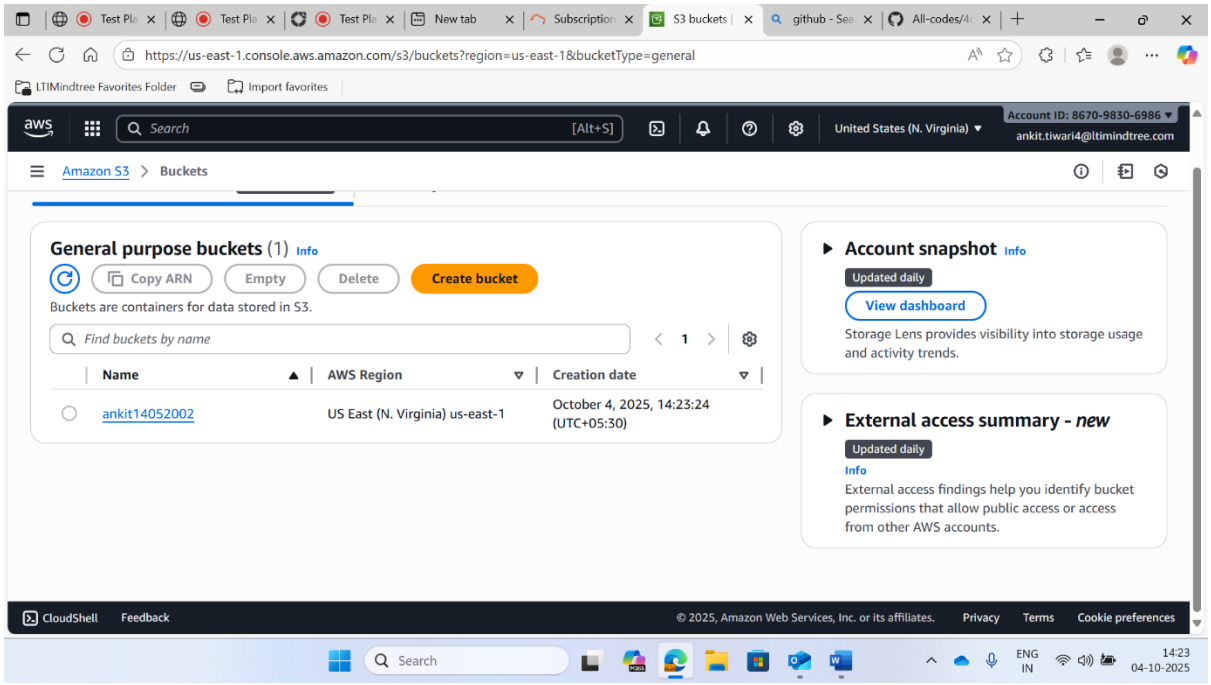
Q1>Launch an AWS S3 bucket with Uniq name. and upload some objects. And this S3 bucket should be reachable on Linux host from where I can upload the object in the AWS S3 bucket.

Ans->

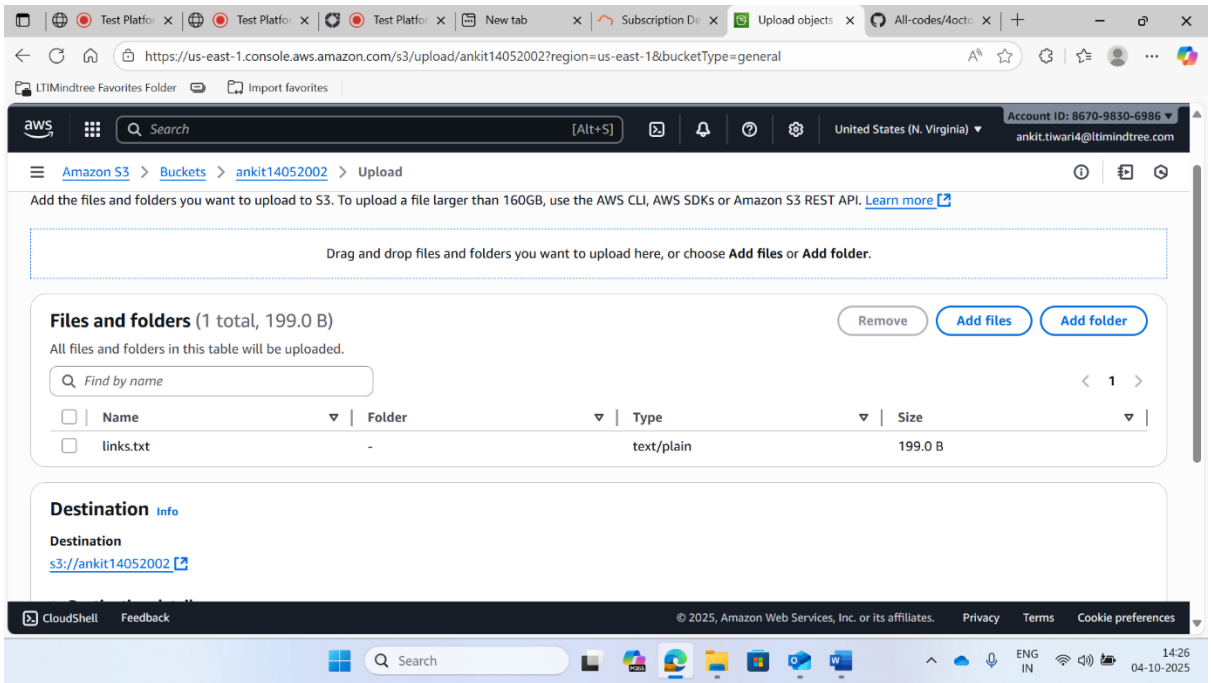
->Creating an s3 bucket name: ankit14052002



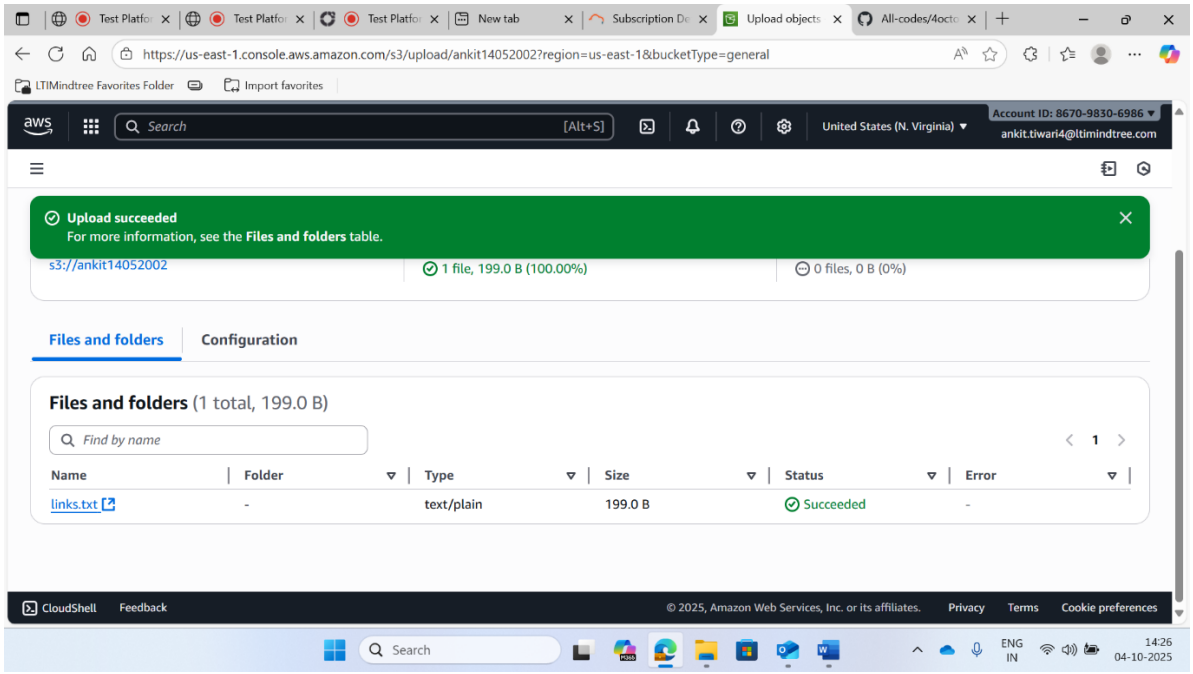
->Bucket created in N. virginia region



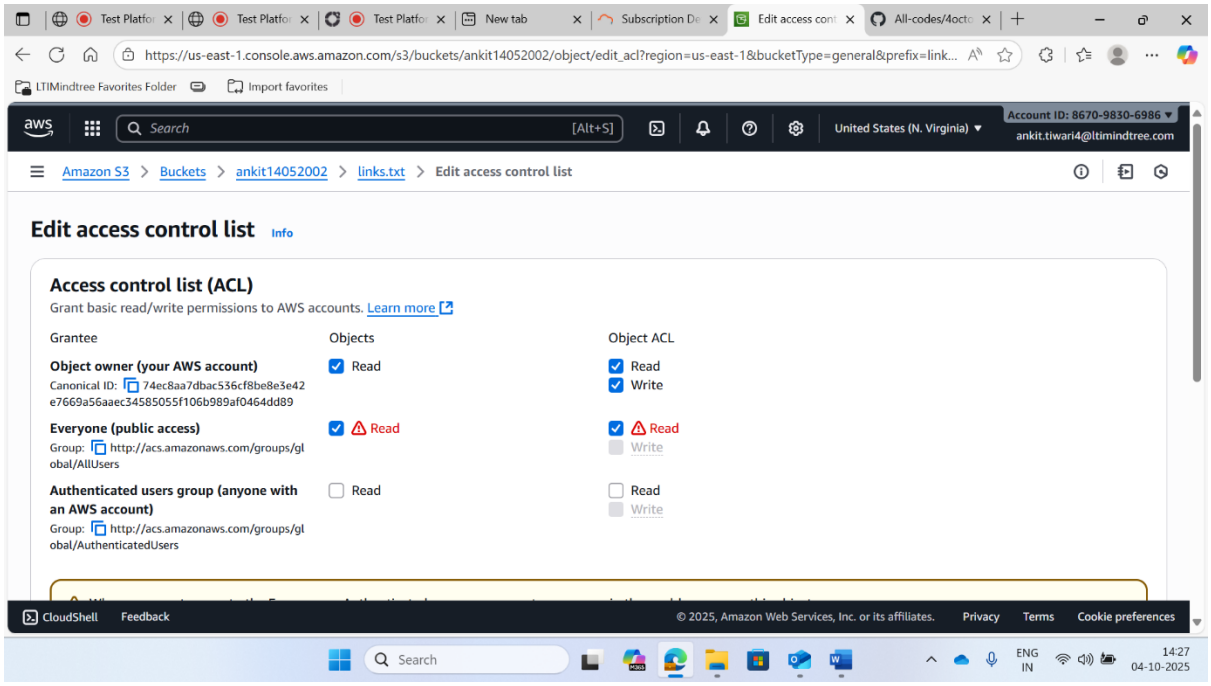
->Adding files to the bucket



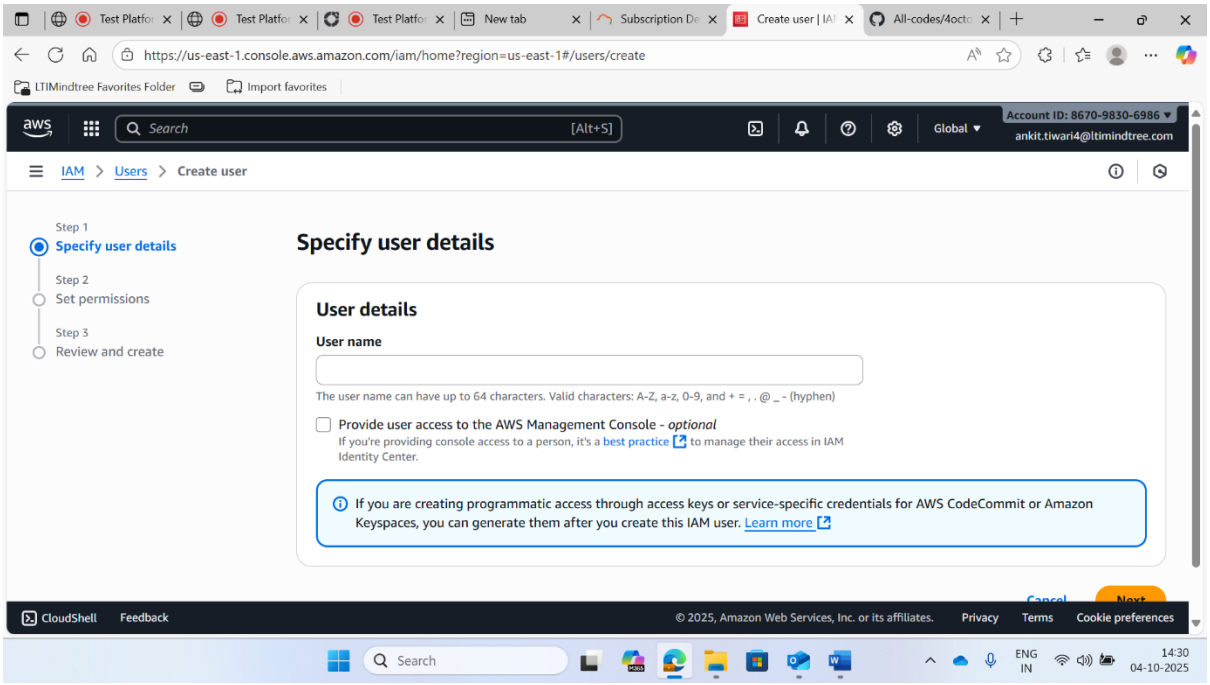
File successfully added



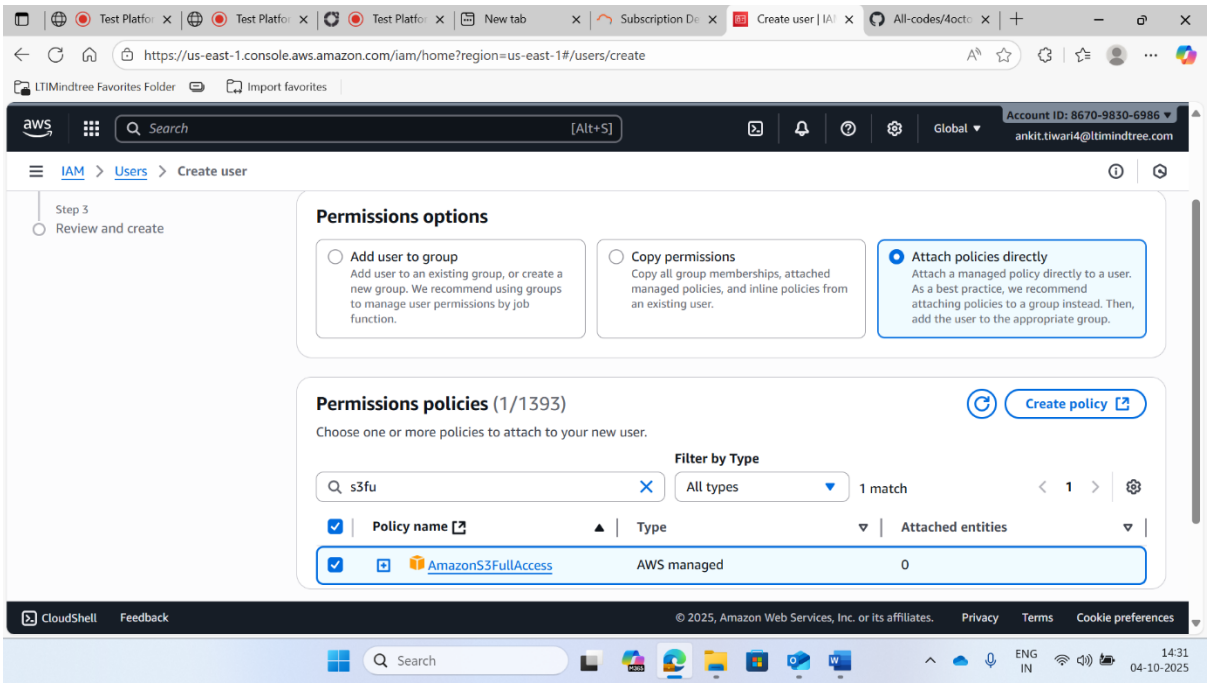
➔ Giving public access to the file so that it should be readable



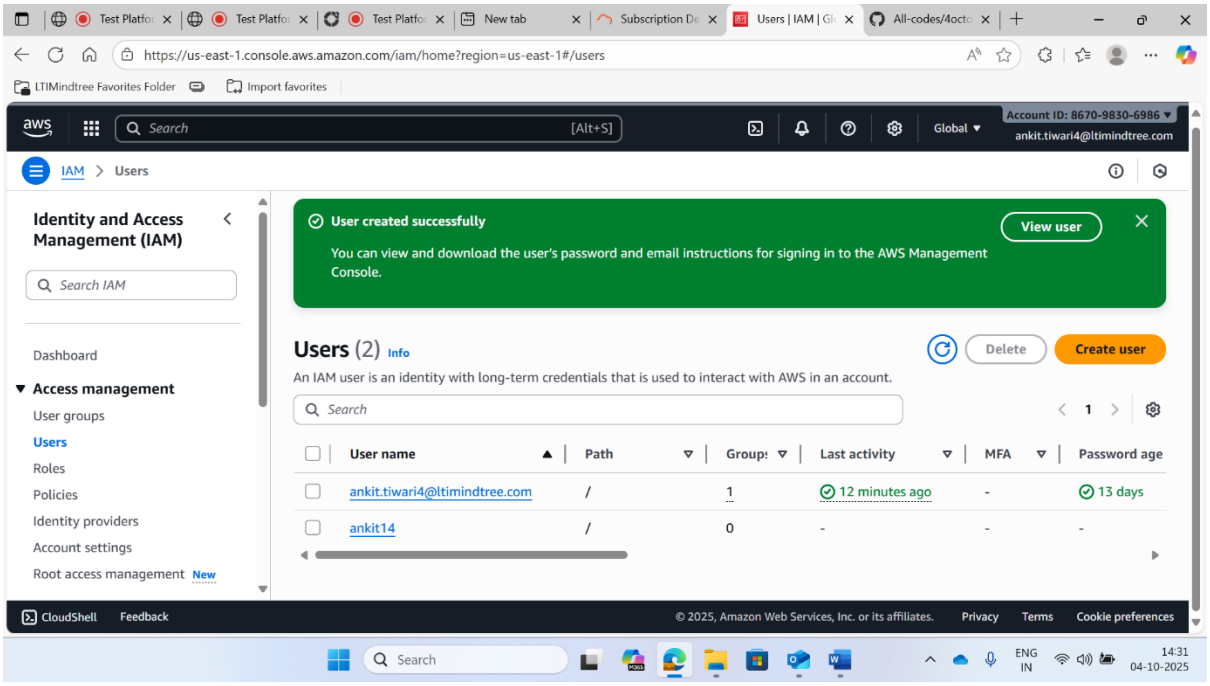
-> Creating a user in IAM to generate access key id and secret access key



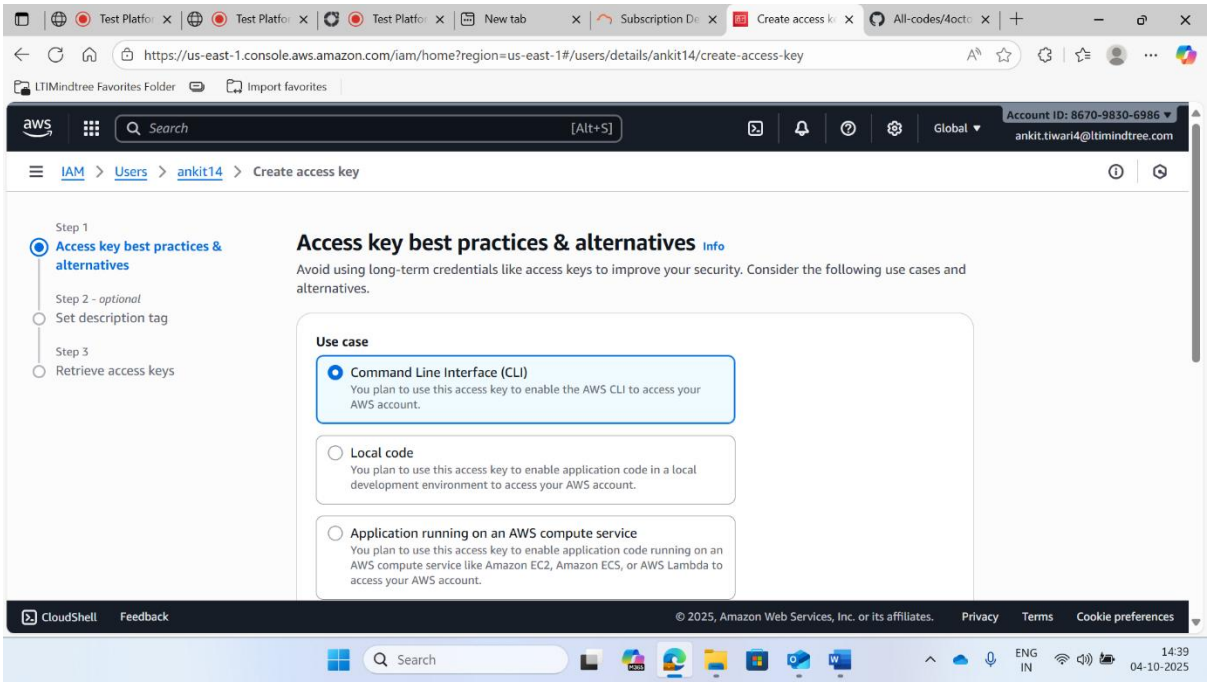
➔ Giving policies to user



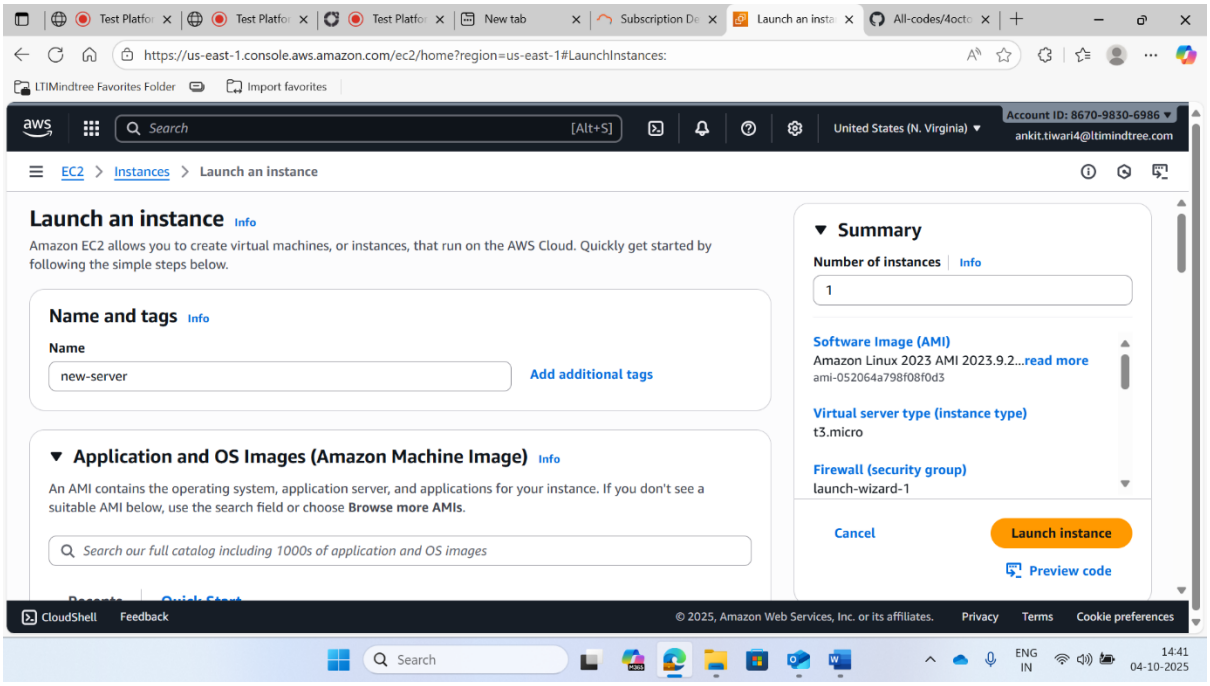
➔ User successfully generated



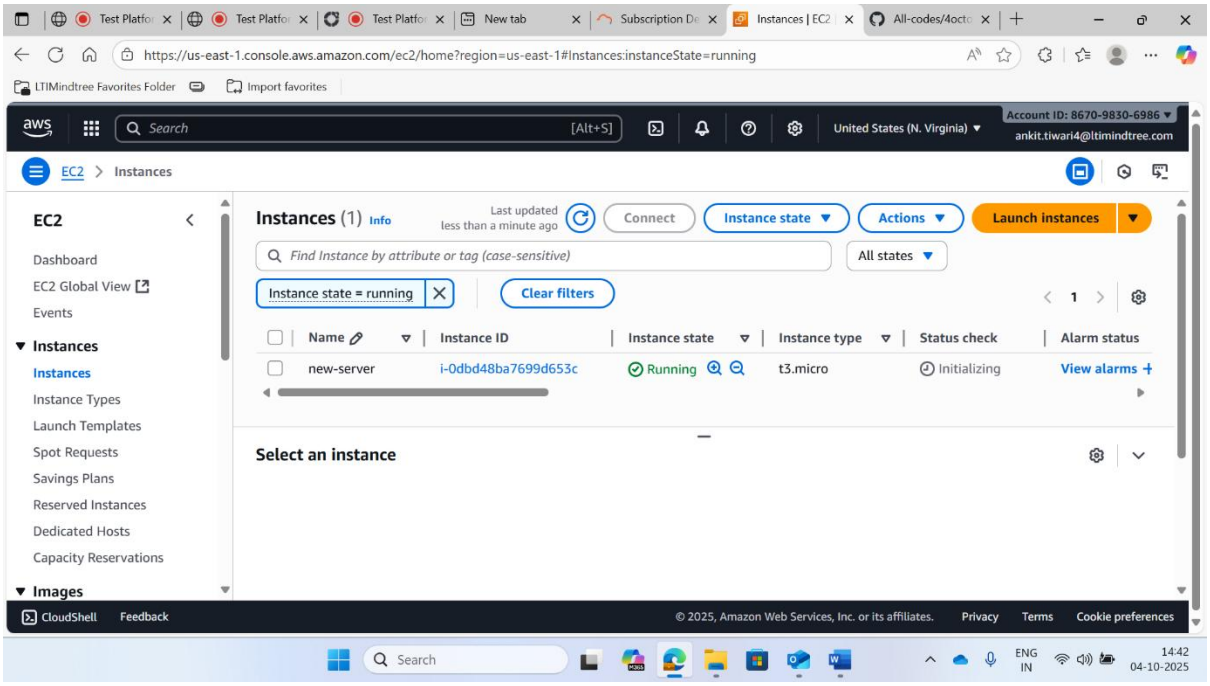
➔ Generating access key for the user



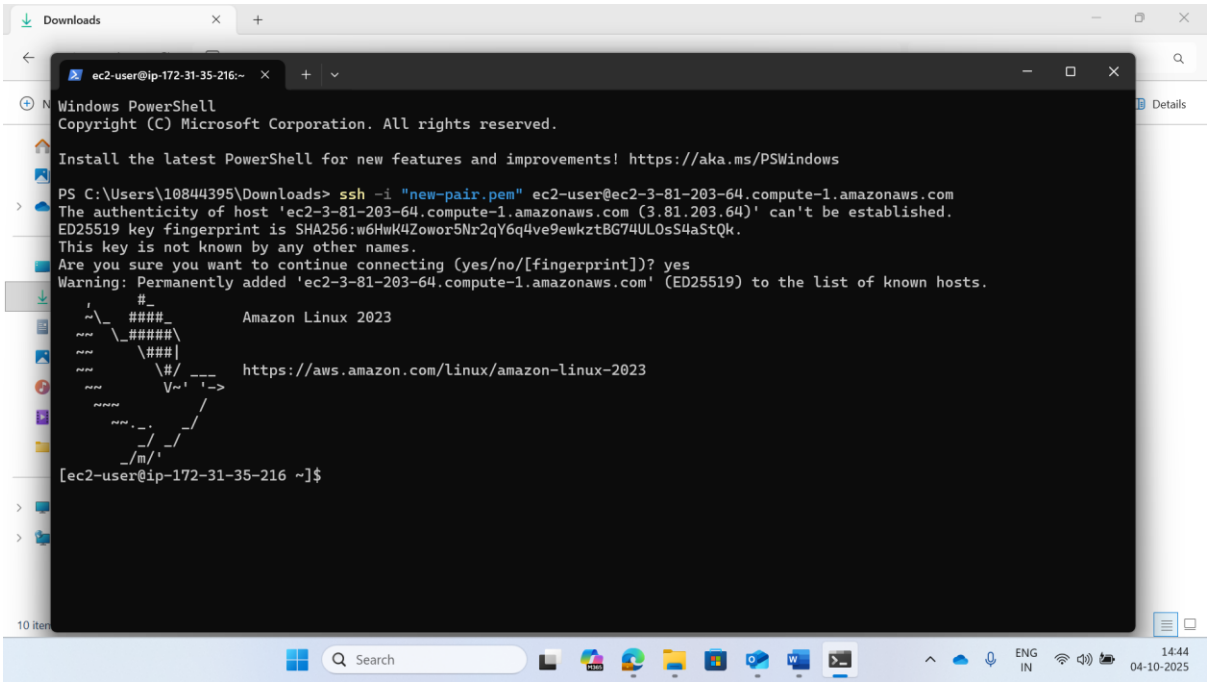
➔ Creating an instance in EC2



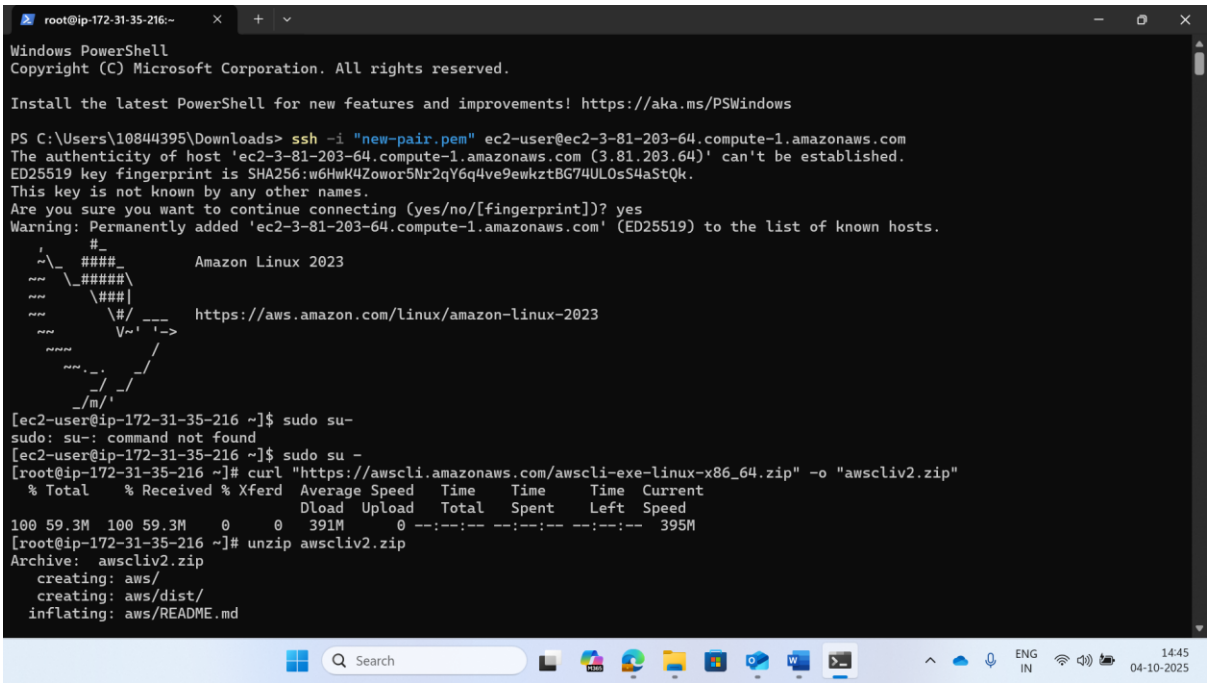
➔ Instance created



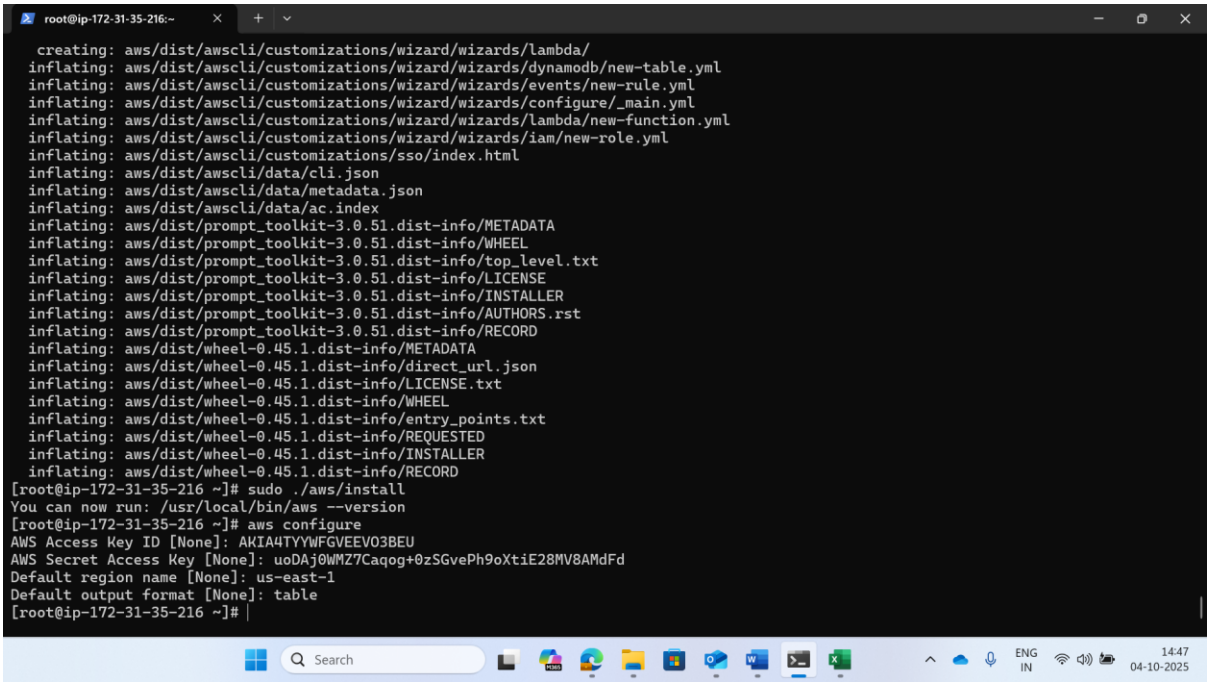
➔ Connecting instance to terminal via ssh



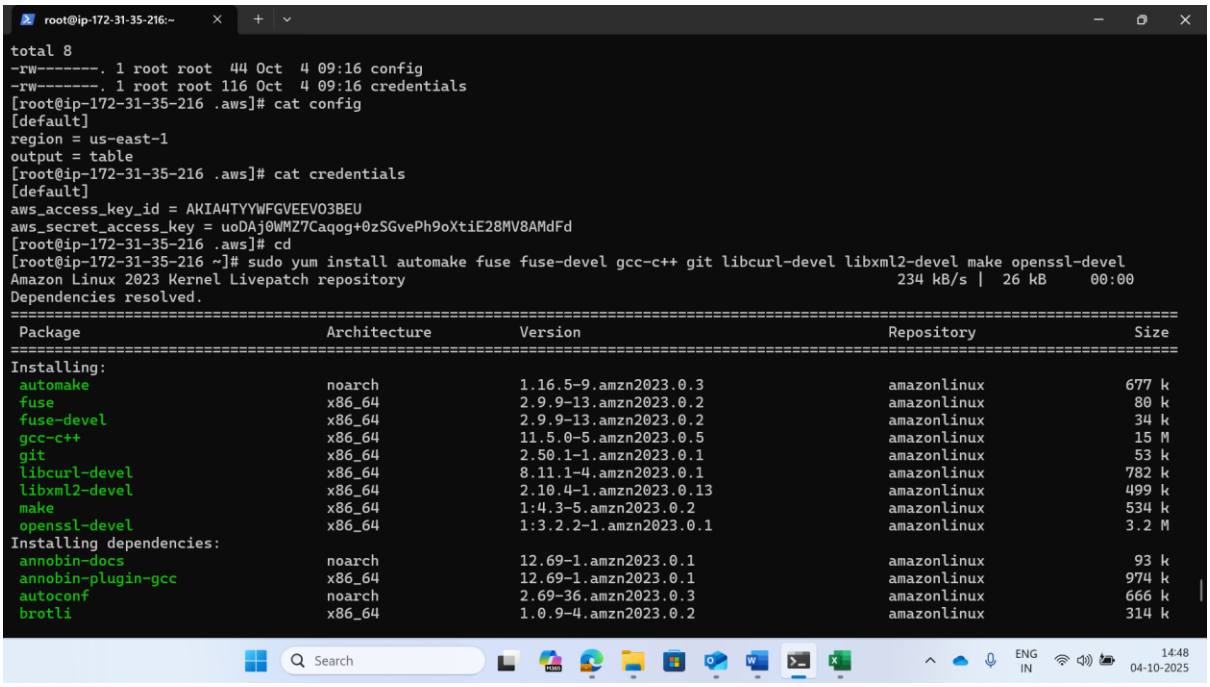
➔ Installing awcli package on the terminal



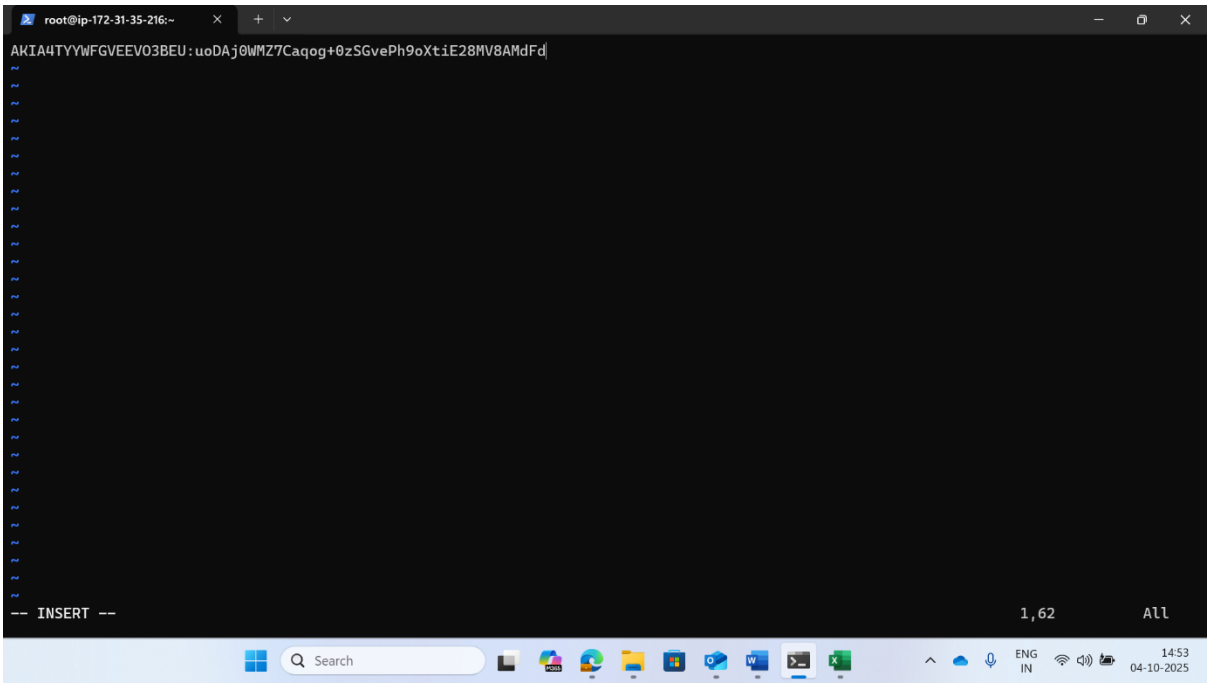
➔ providing access key , region ,format etc



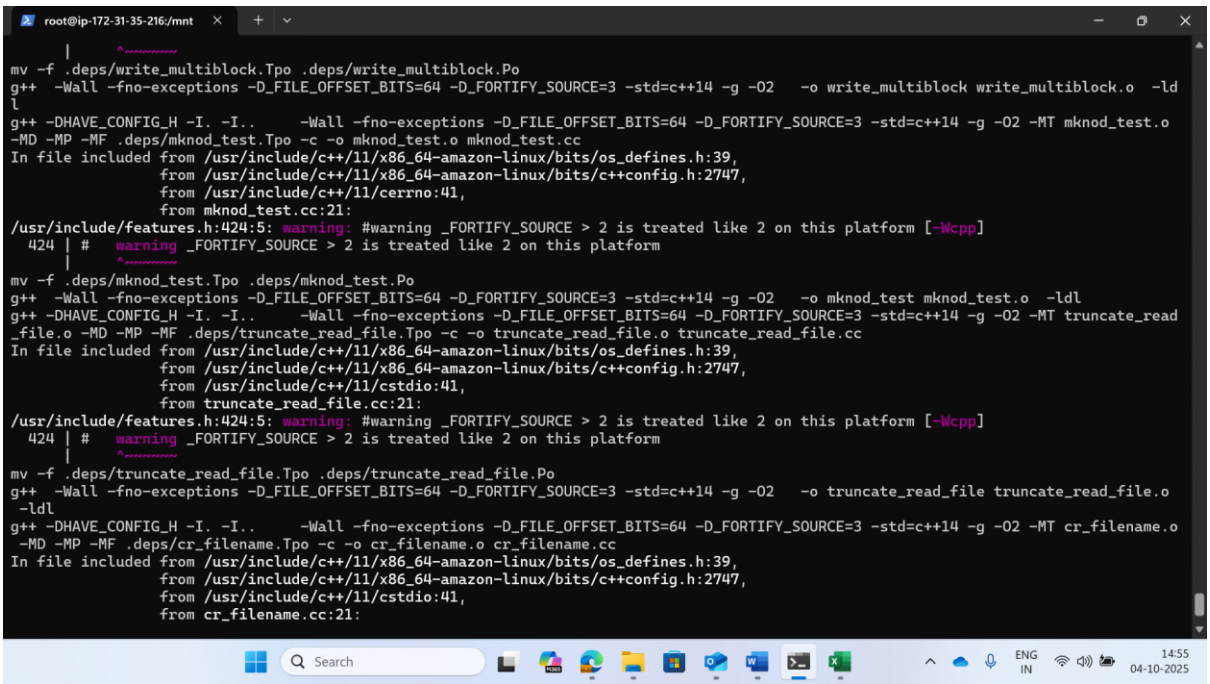
->installing automake fuse package



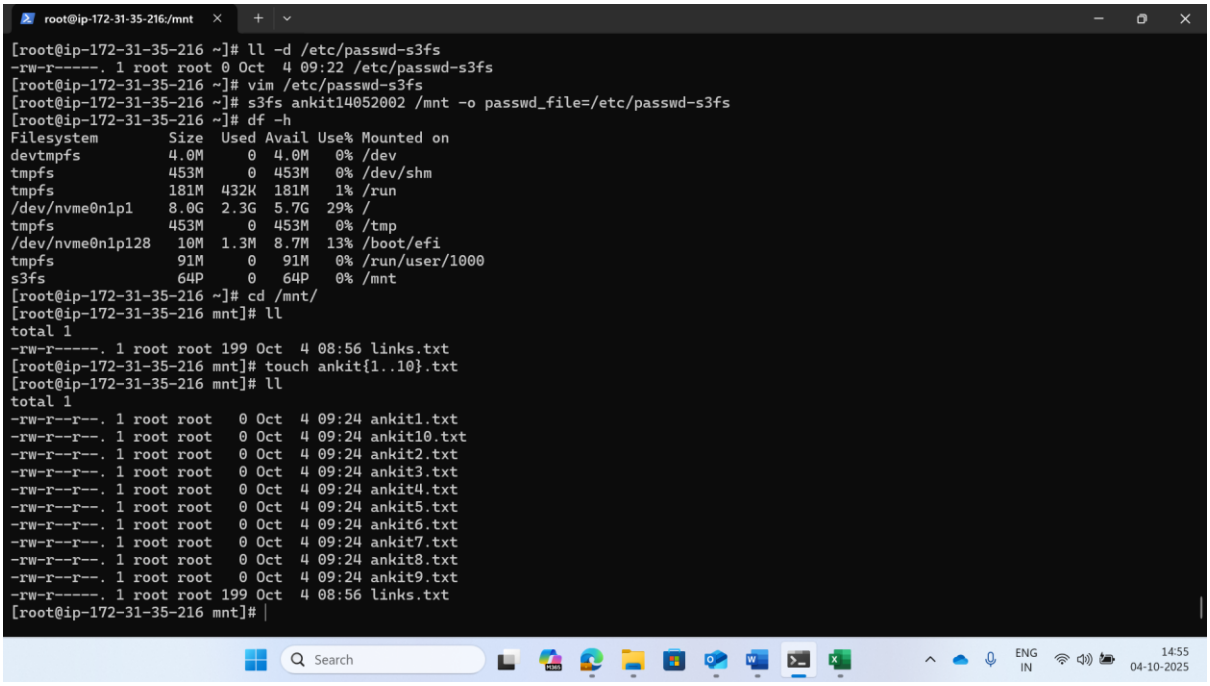
->Adding access key id and secret access key in vim editor file for accessing the user.



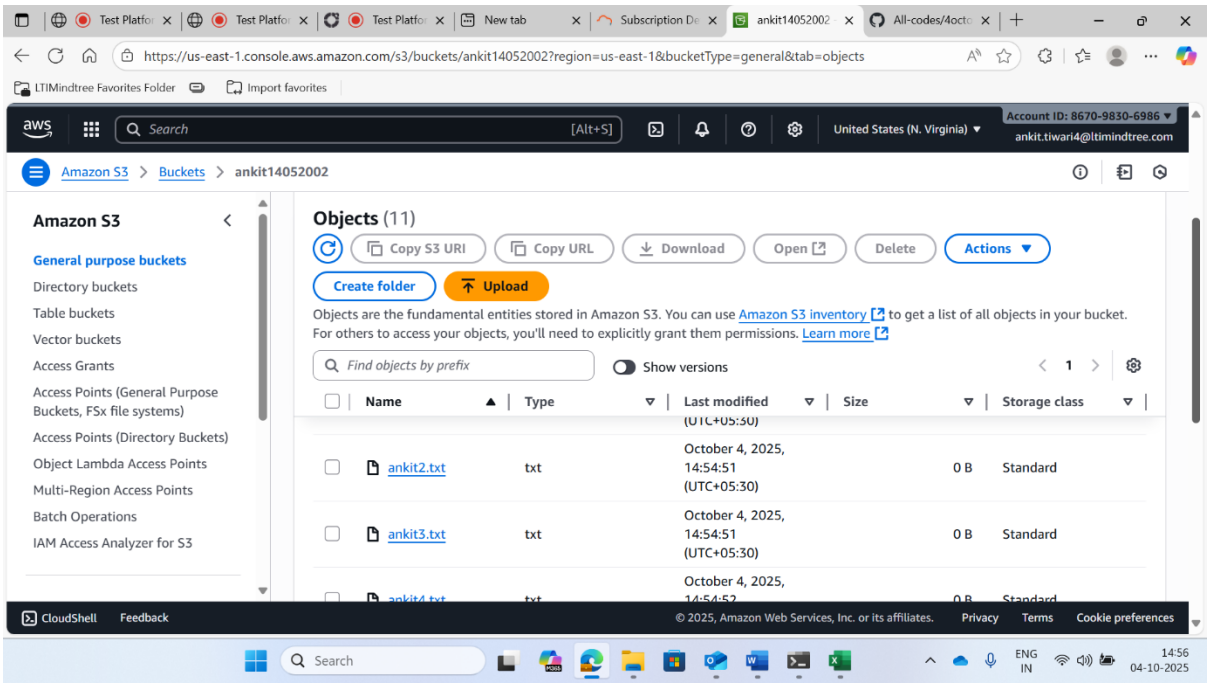
->Performing make operation



->Giving access to my bucket via terminal



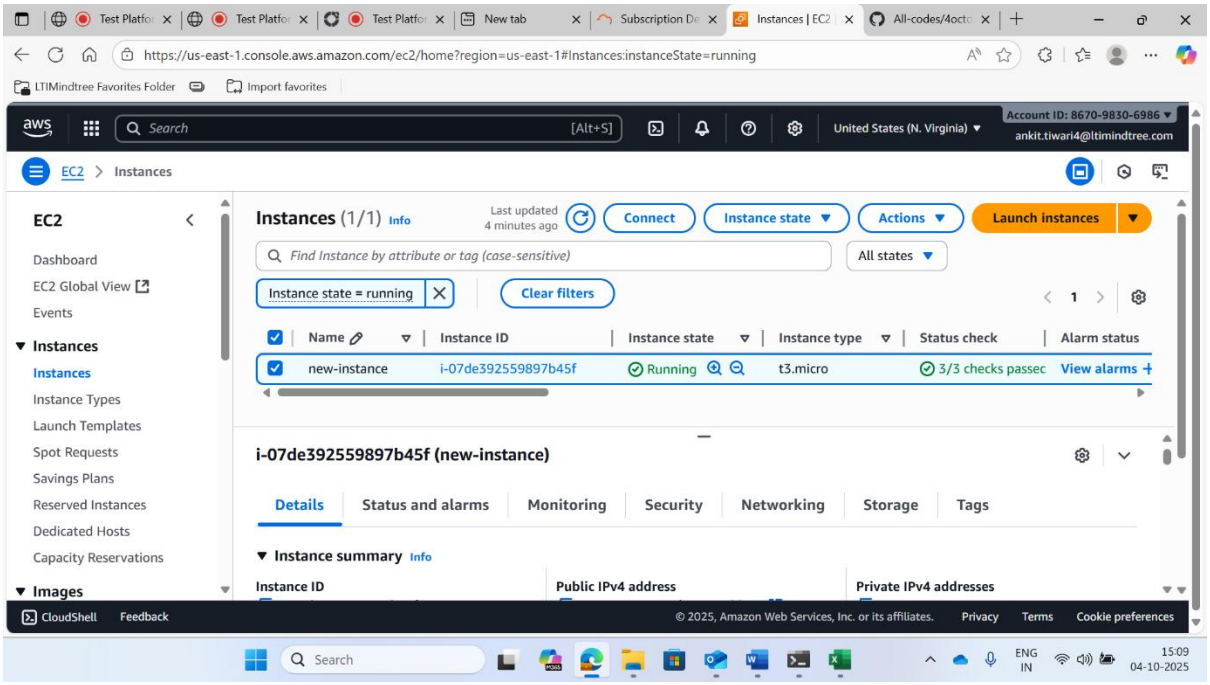
➔ files ankit.txt received on my bucket



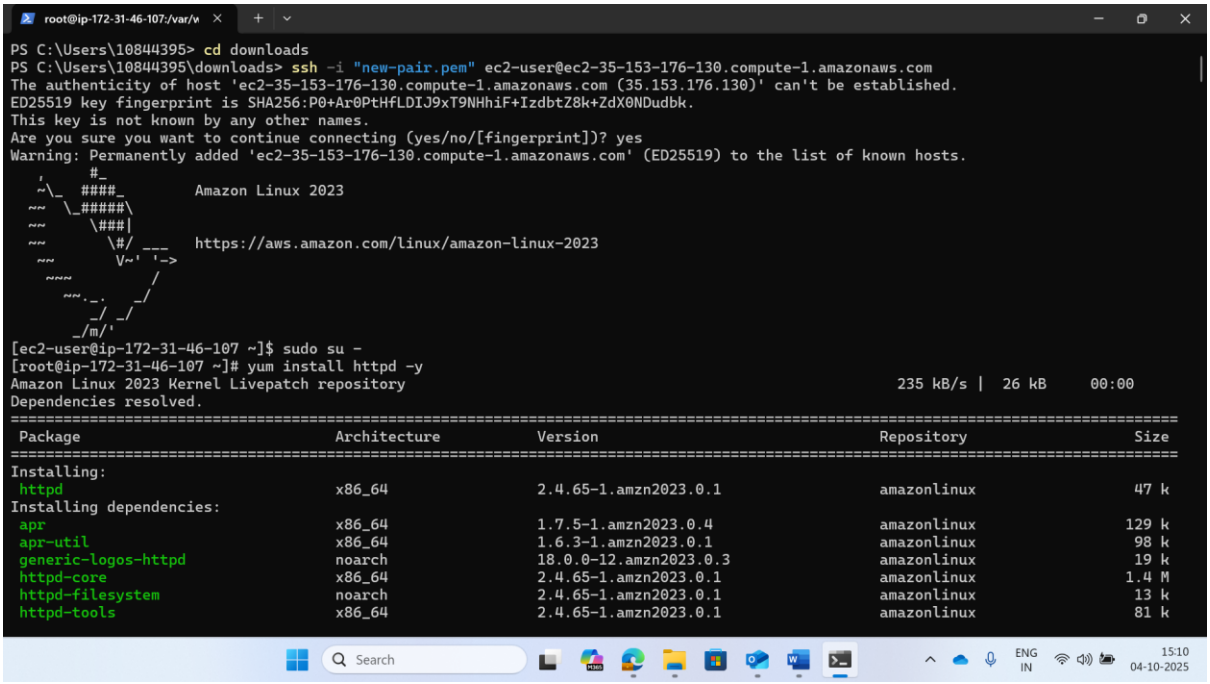
Q2->I have one web server in North Virginia Region where my website is running. I need same server in ohio region. Migrate this web server from North virgina to ohio.

Ans :-

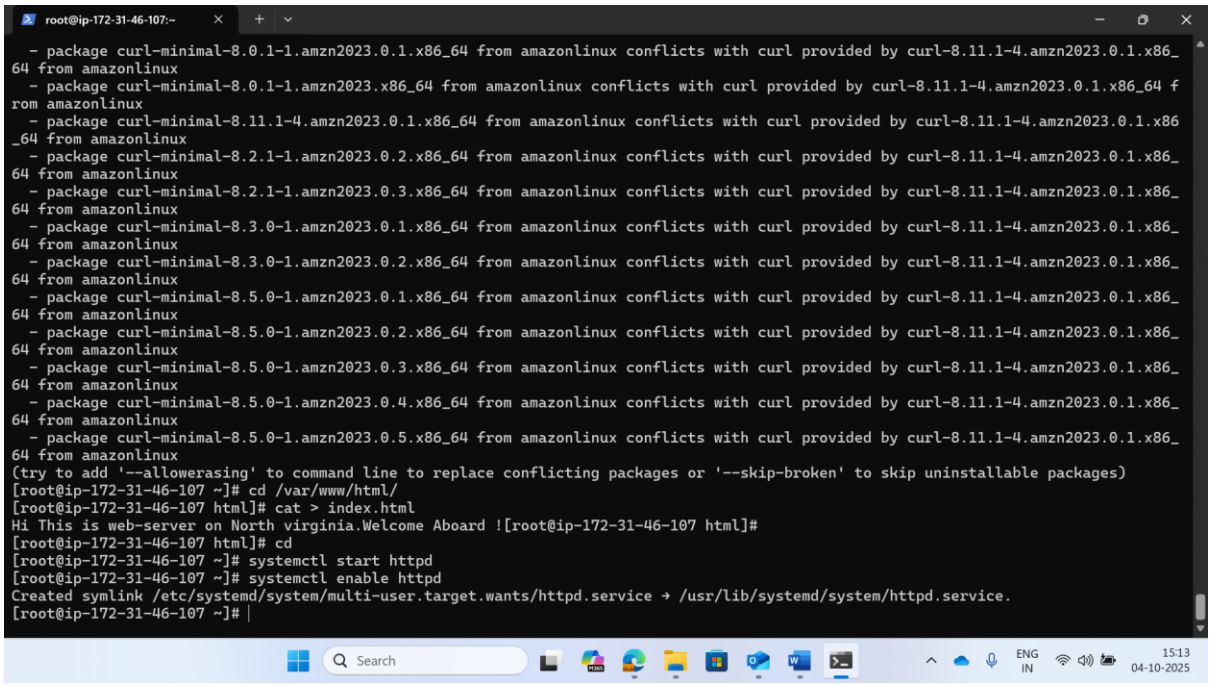
->Instance is created from ec2



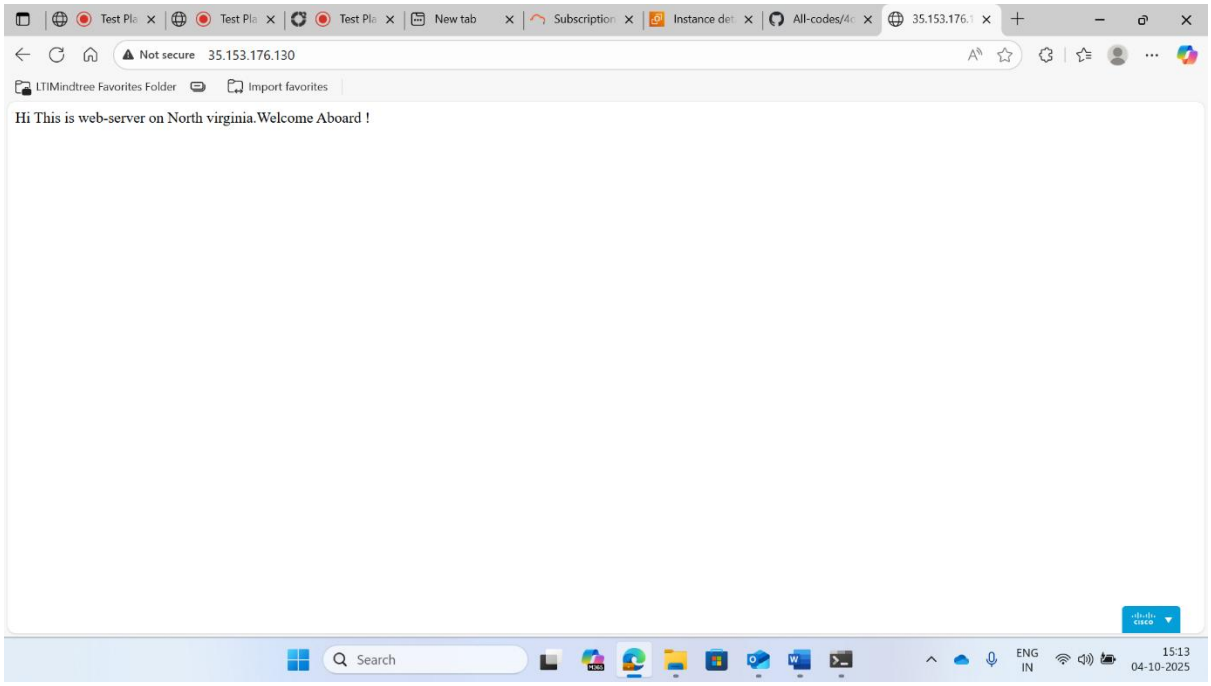
➔ connecting to server in terminal via ssh



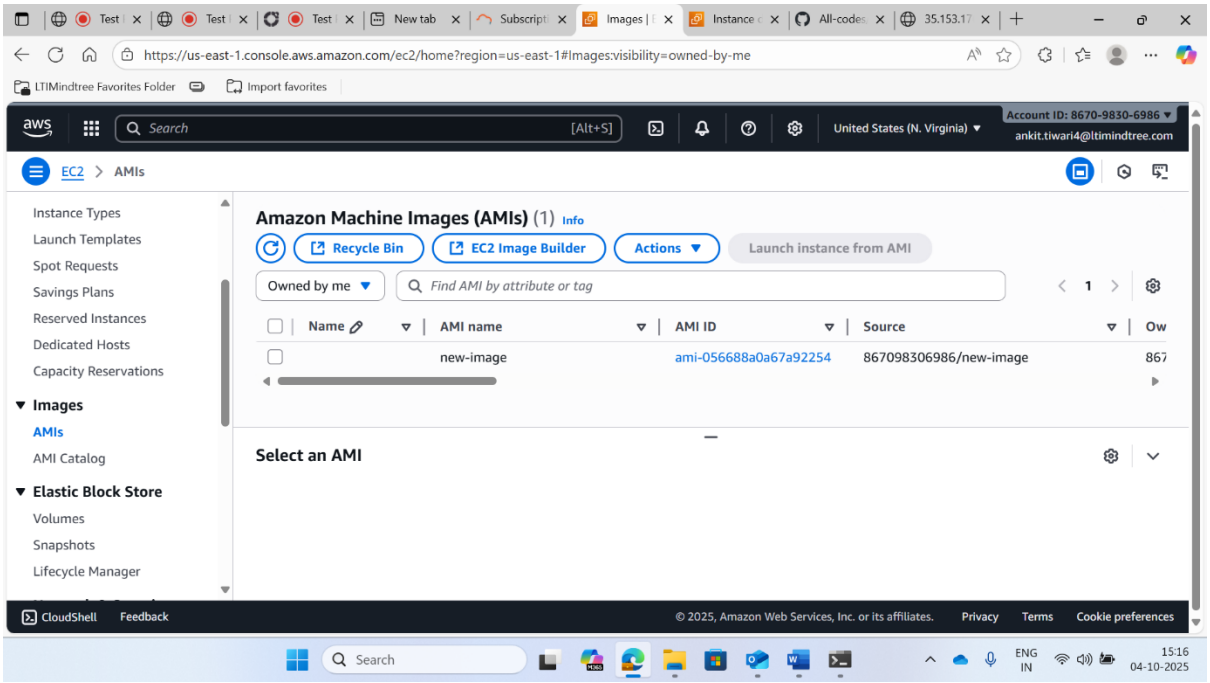
-> creating the web-server in North virginia



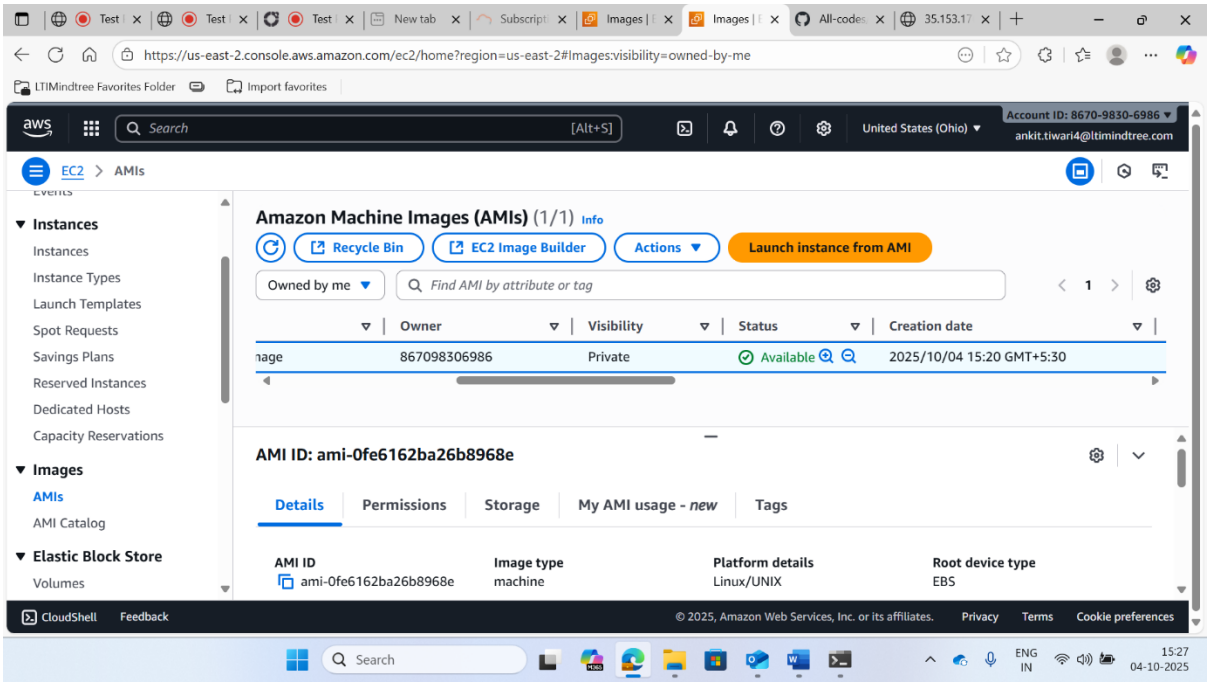
-> server reachable from Public ip of instance at North virginia



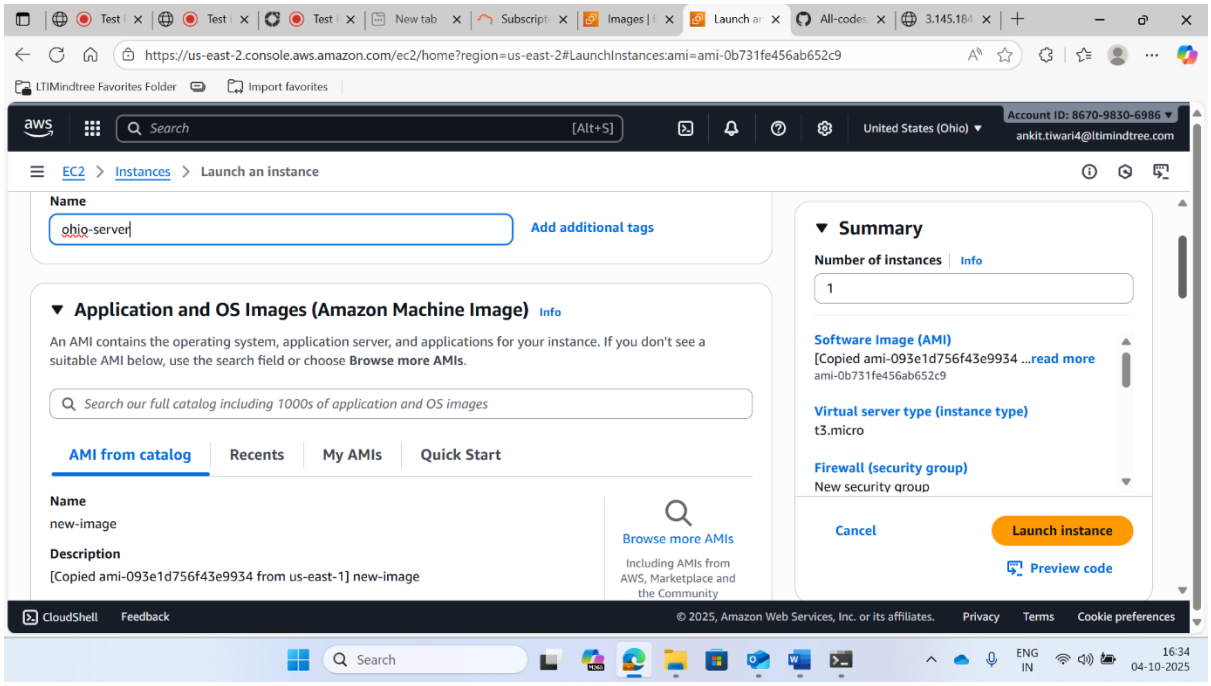
-> Trying to access the same server via AMI (created AMI in N.virginia)



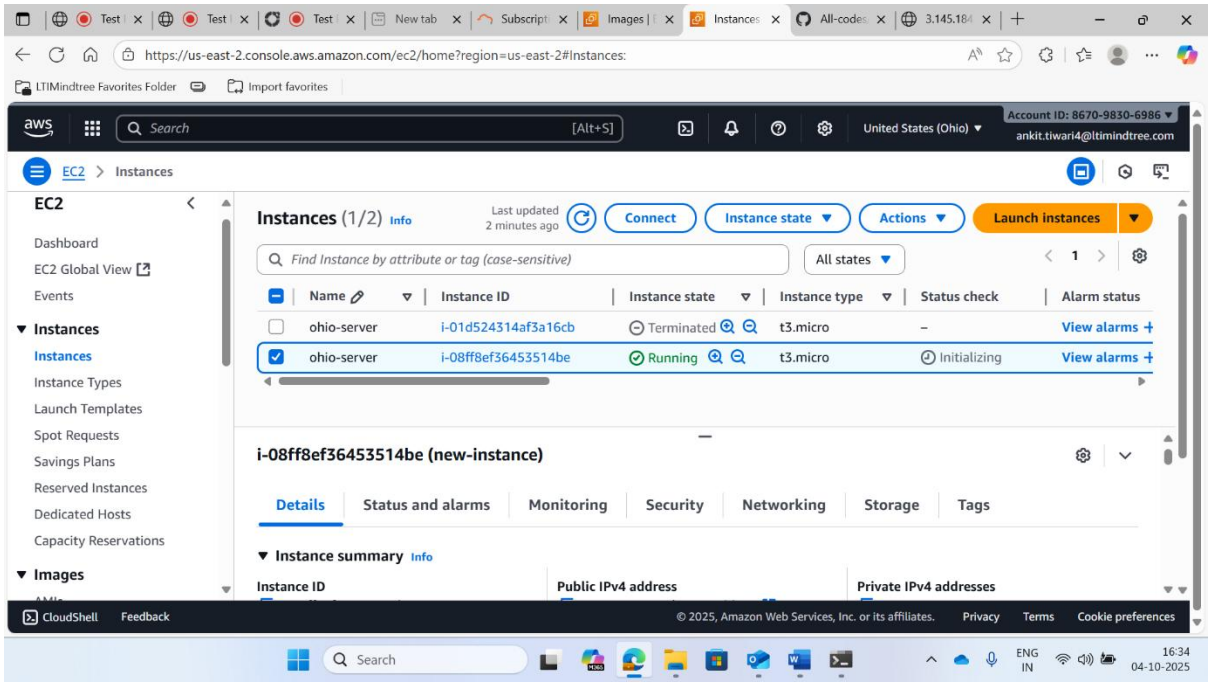
-> copied the AMI into ohio region



->Now launching instance from AMI



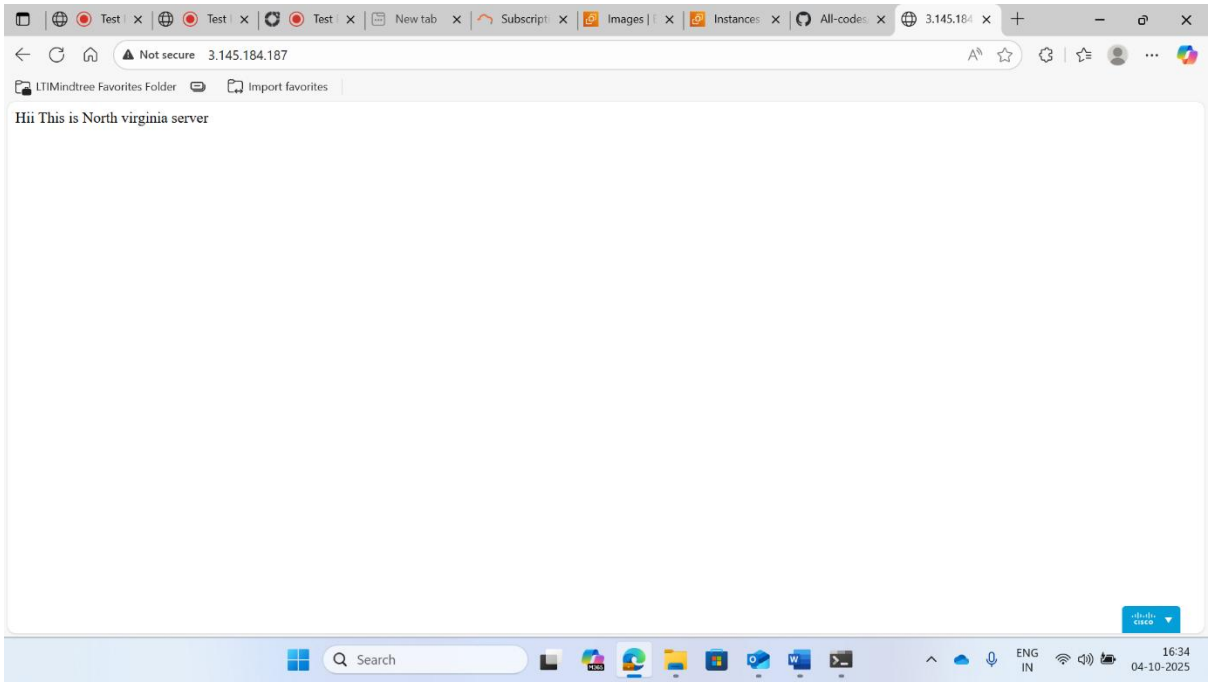
-> instance created



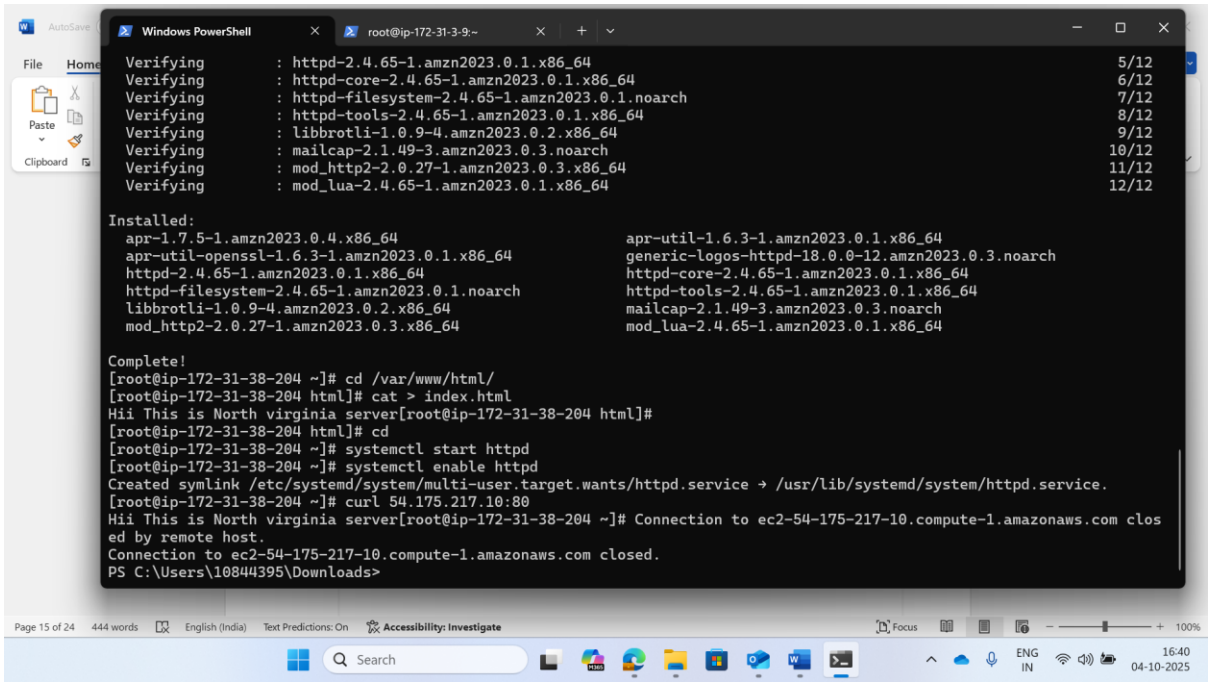
-> Trying to access North verginia server via ohio instance server

Public ip: (North Virginia) 54.175.217.10

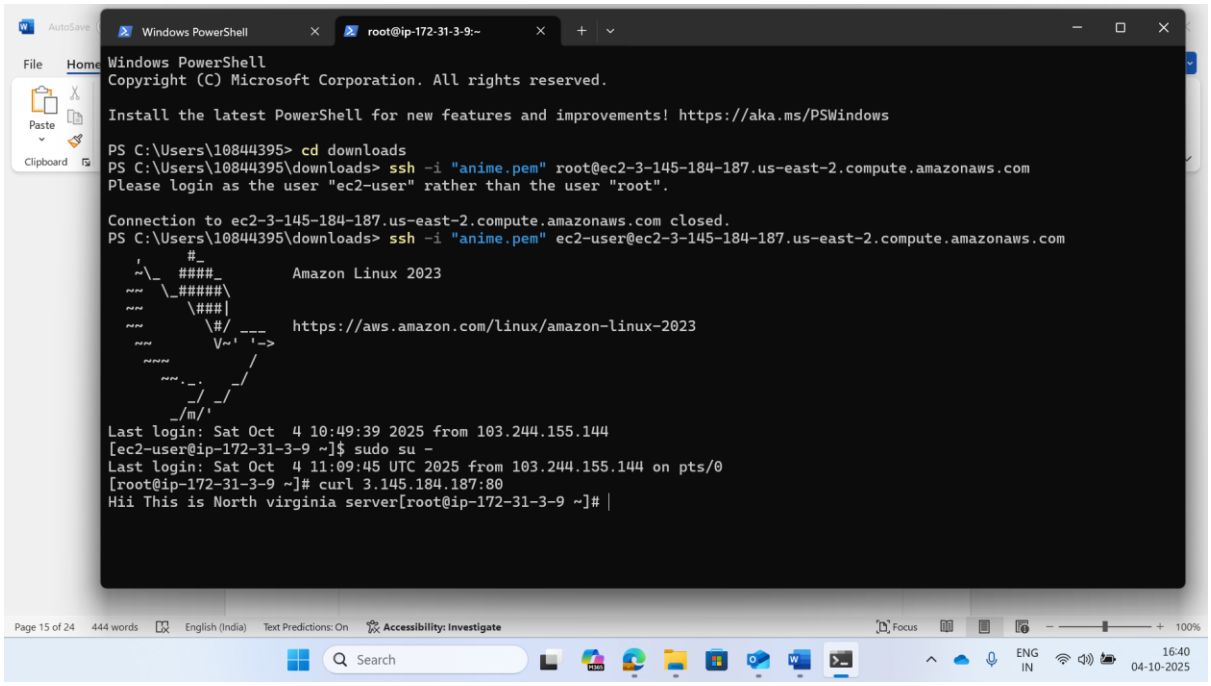
Public ip: (Ohio) 3.145.184.187



->Server created on North virginia instance



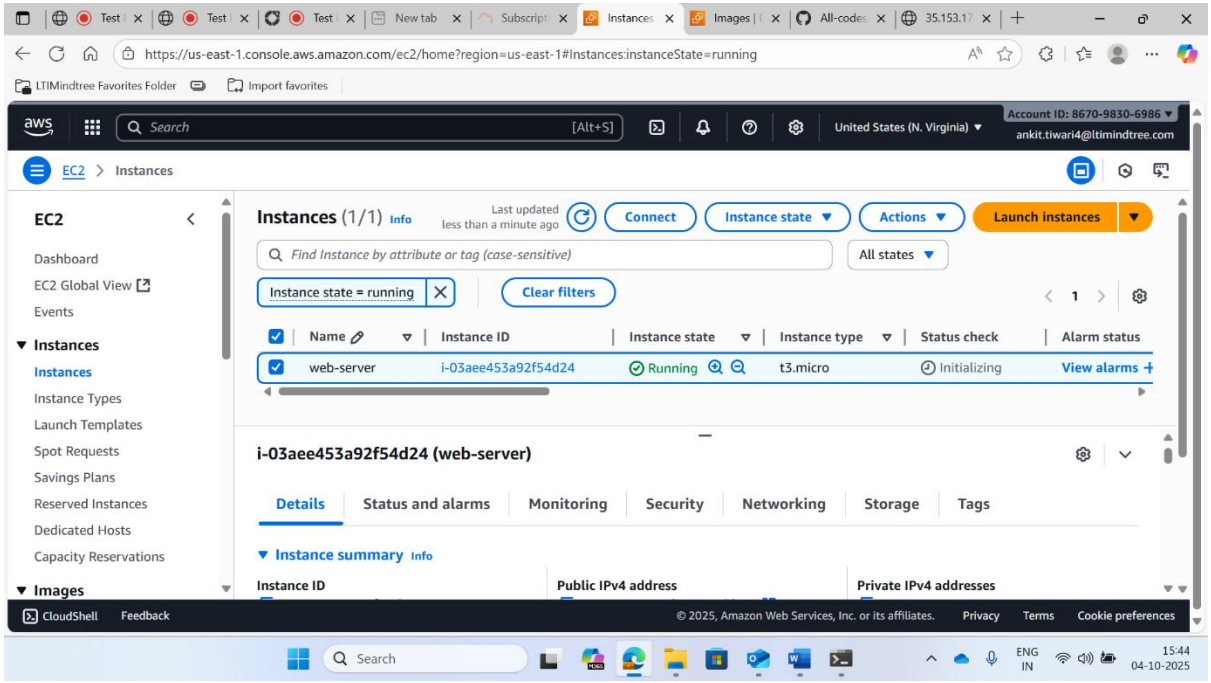
->Accessible on ohio server instance



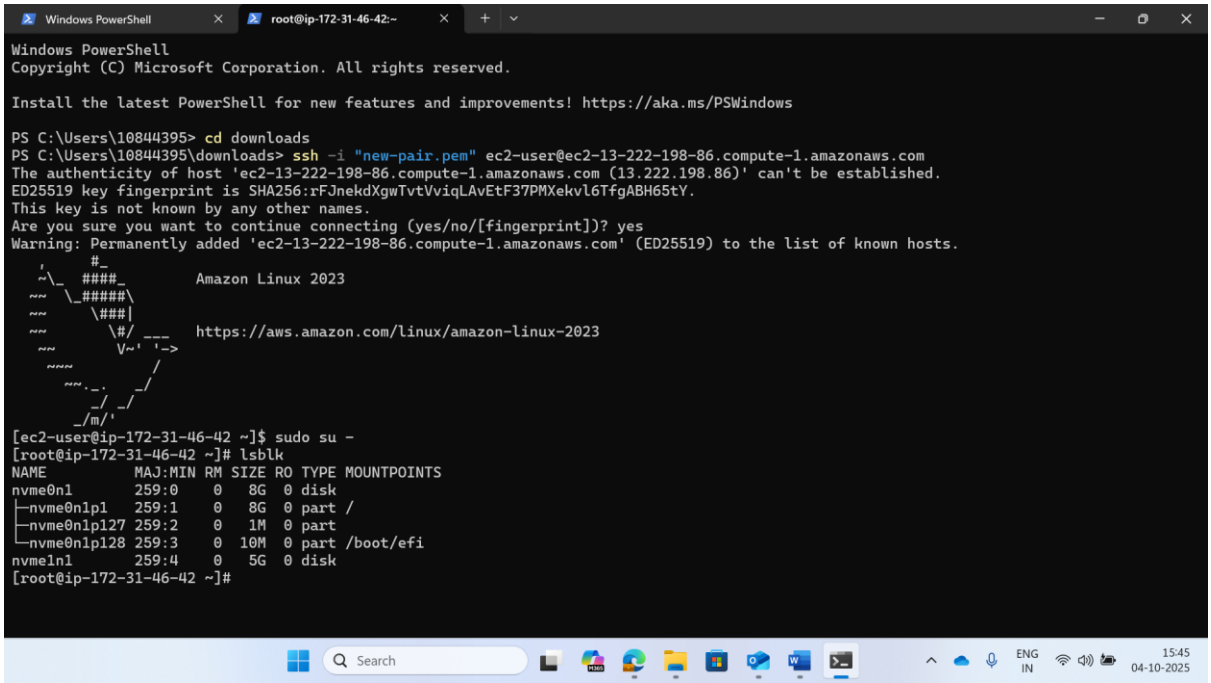
Q3->Configure web server on it and make it live. and attach a 5gb ebs volume. where create 10 files. like training.txt

Ans->

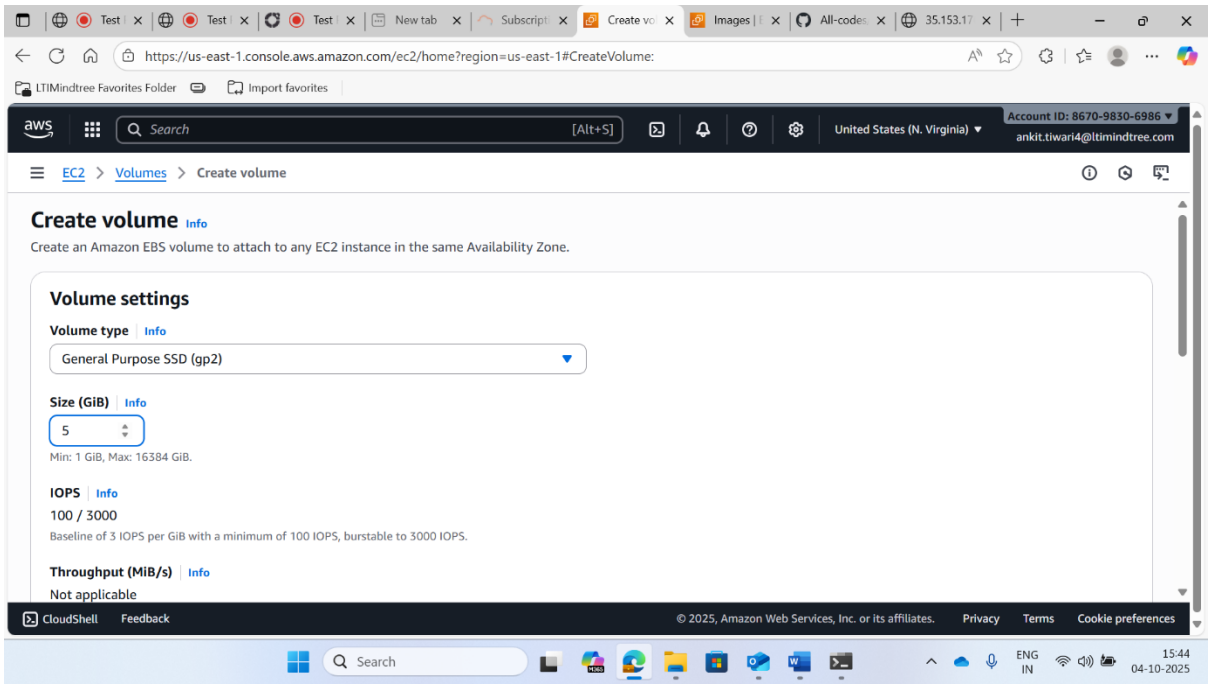
-> creating an instance in EC2



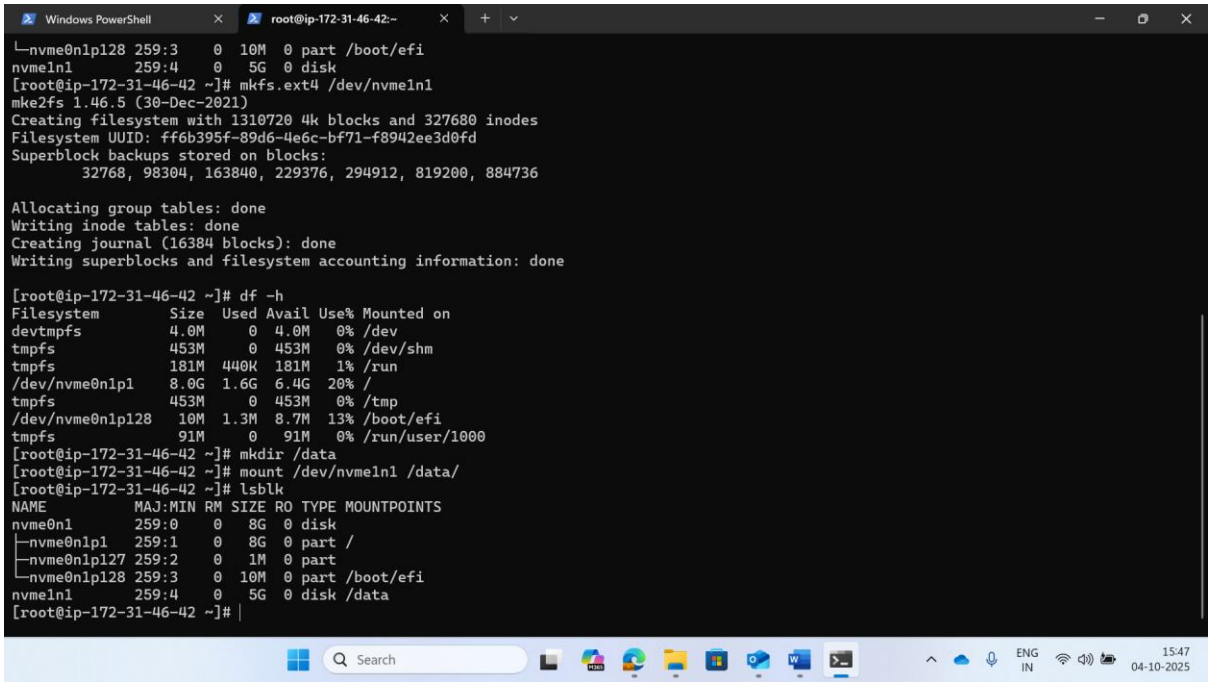
->connecting to terminal via ssh



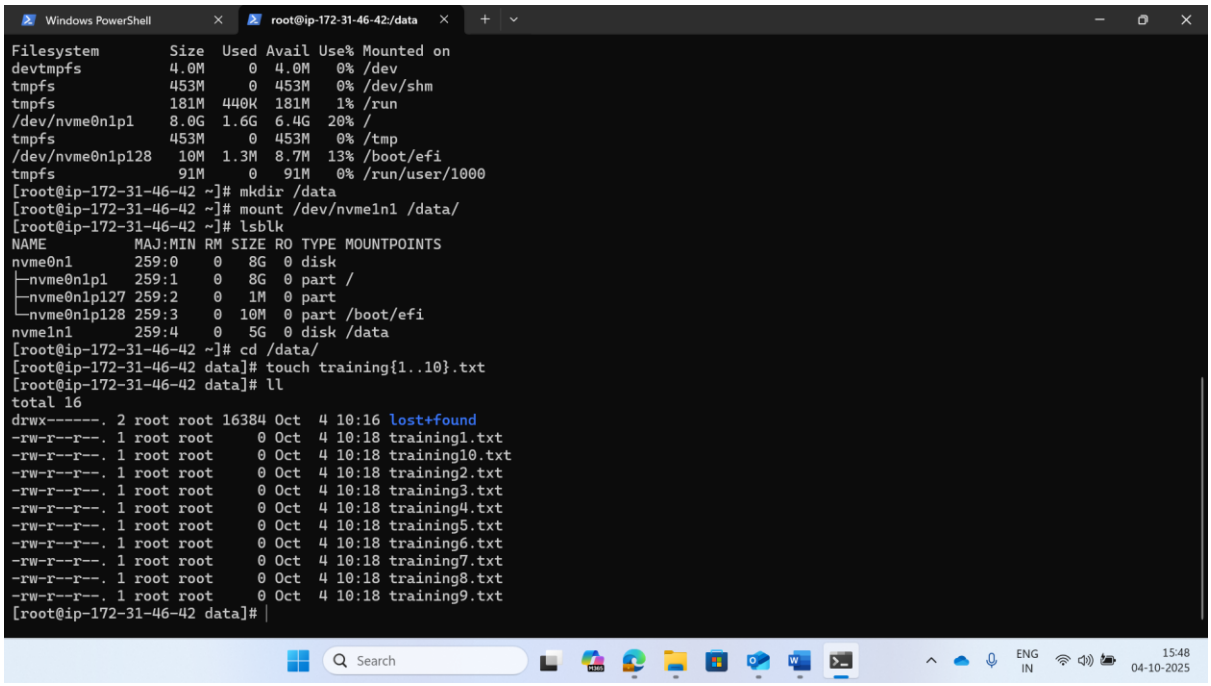
-> assigning ebs volume to our instance



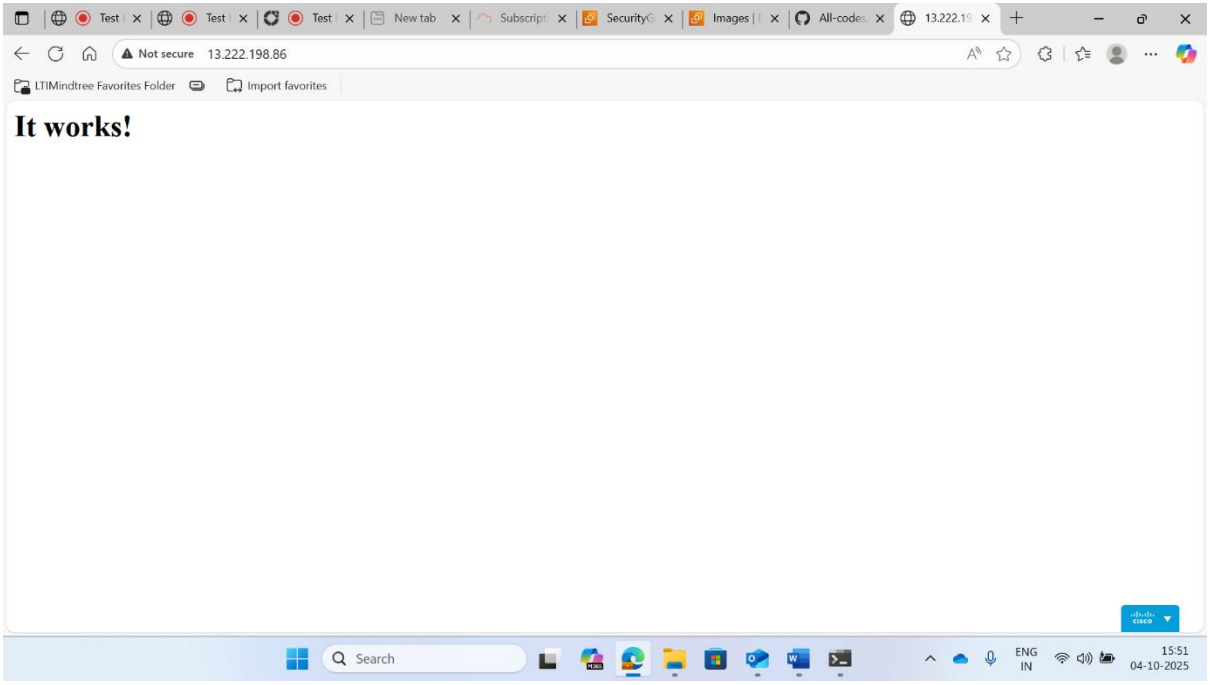
-> creating file system and mounting



➔ files training.txt have been created



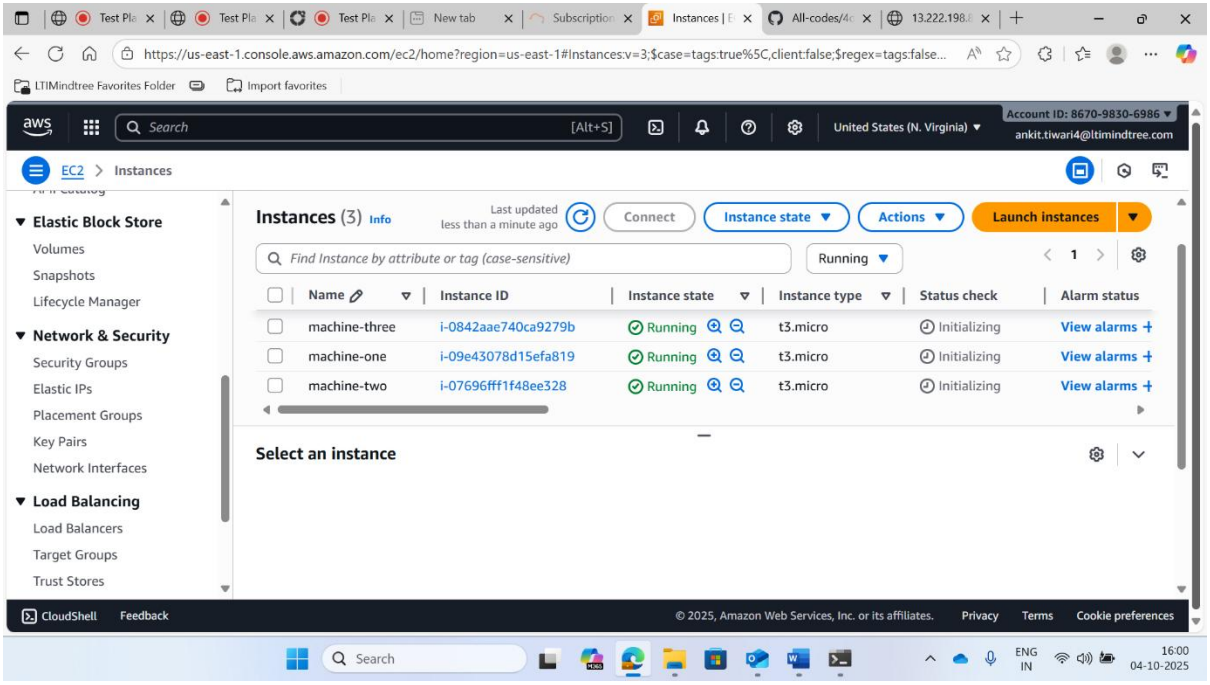
➔ the server is live as you can see



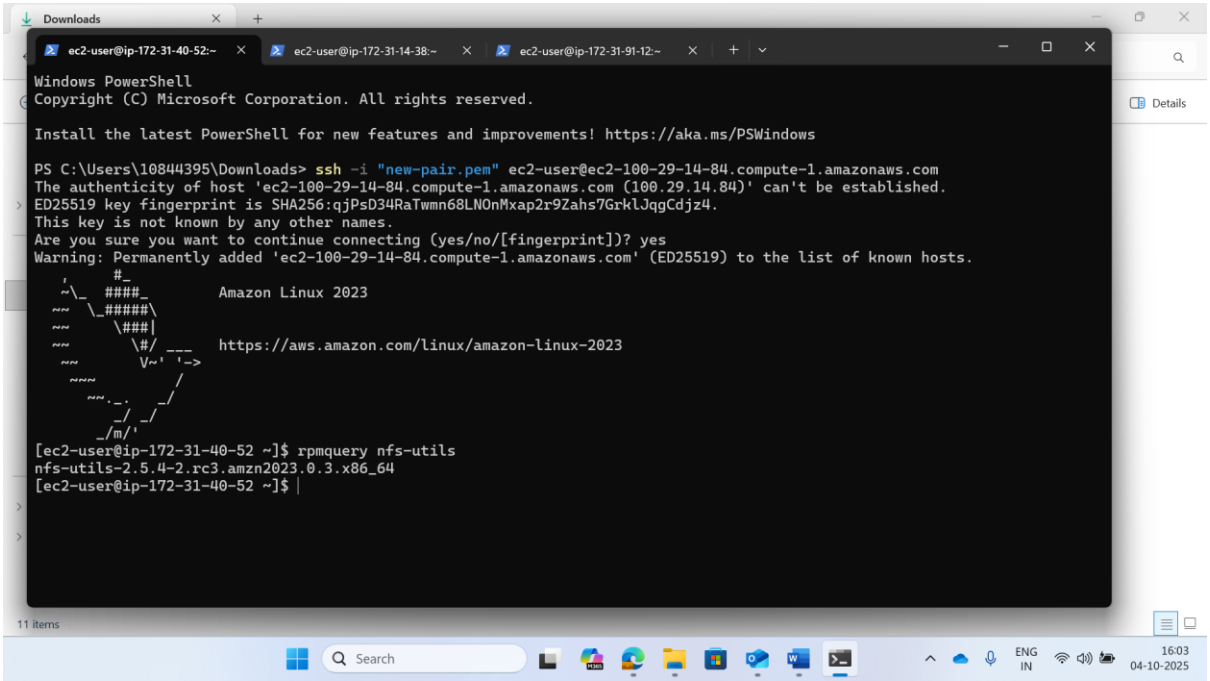
Q4-> We people are working on a common project in a same region. But my servers are in different zones. So, I want to share project information with everyone simultaneously. Configure efs storage it should be mount on every server.

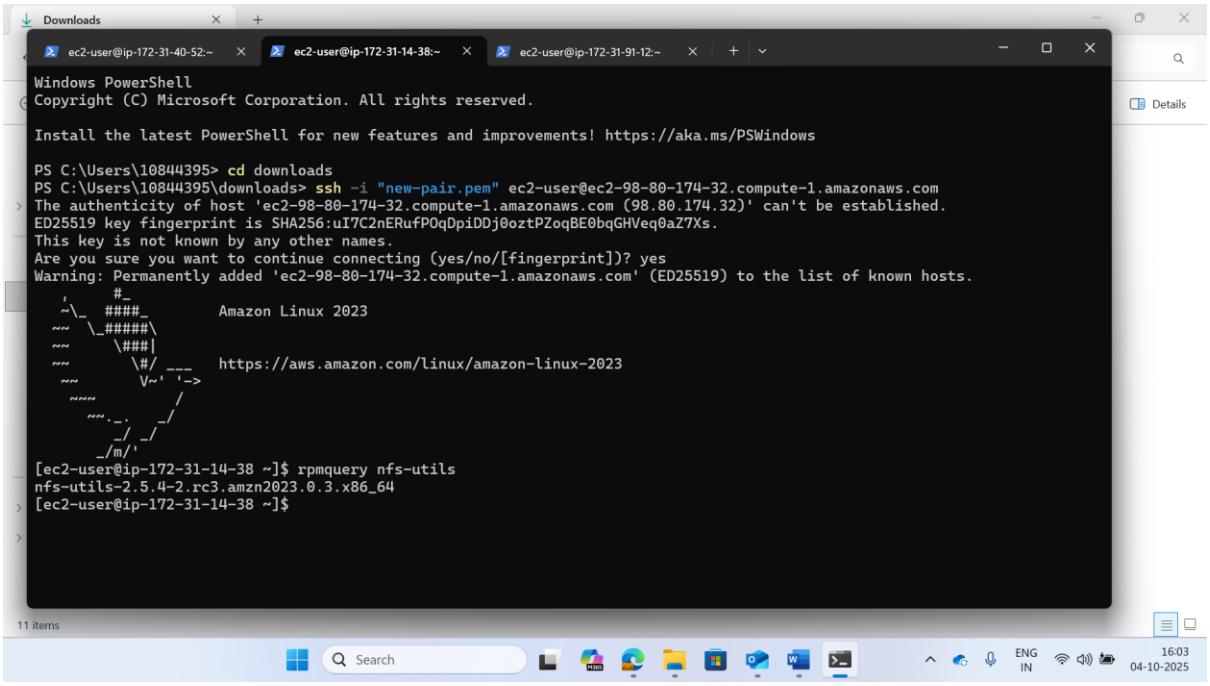
Ans->

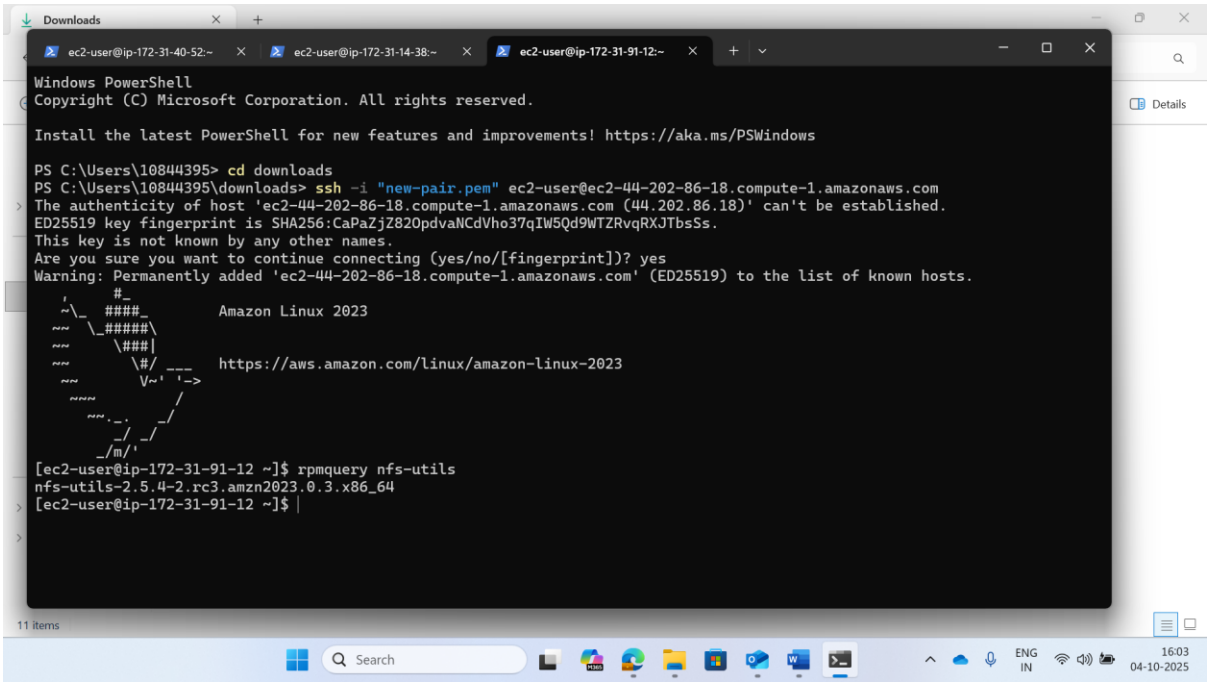
-> created three different instances on different zones but same region



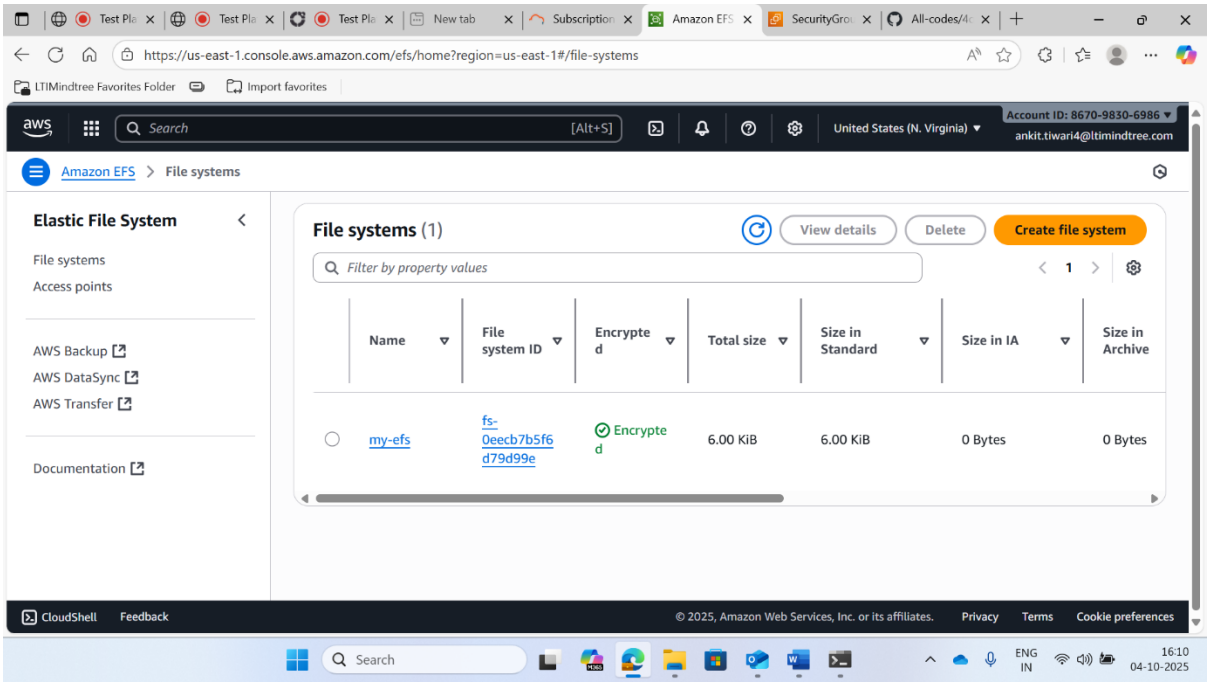
-> connected all the terminals



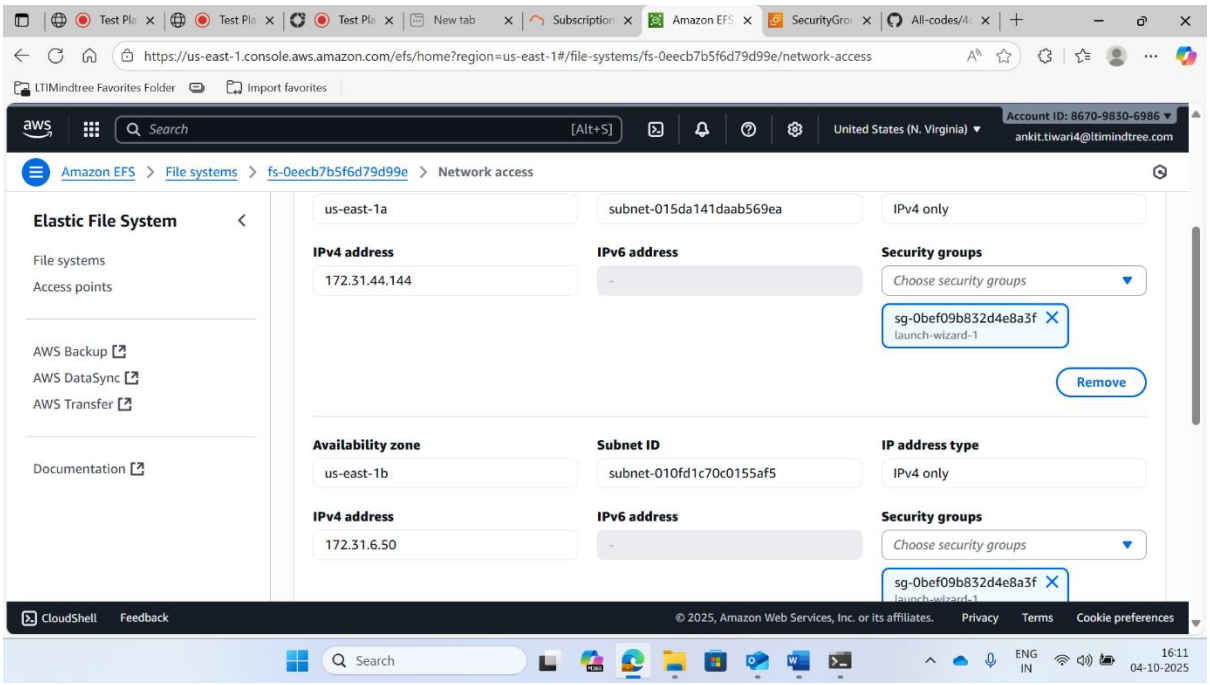




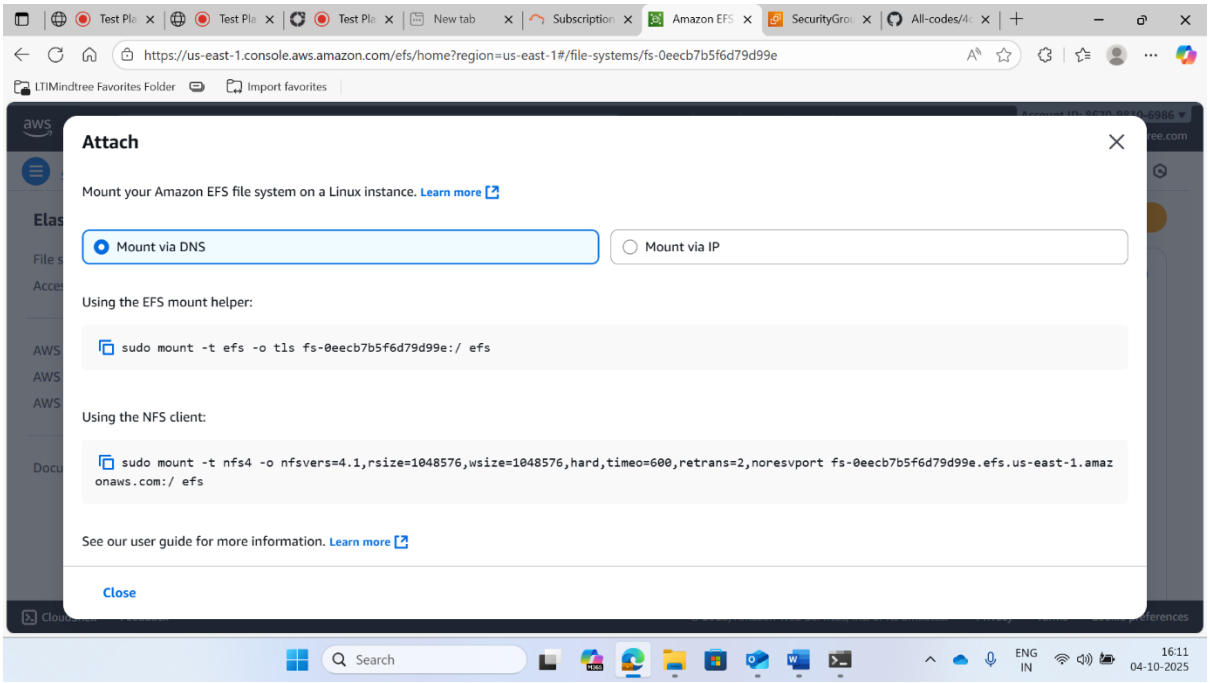
->creating EFS file system



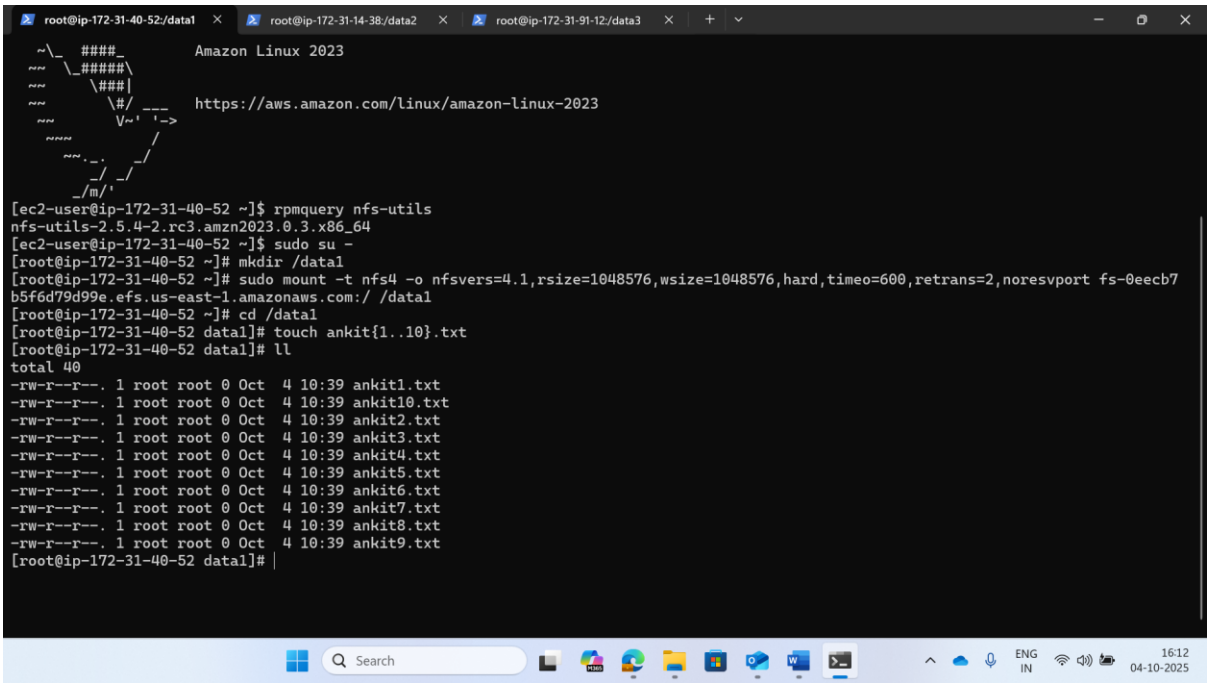
-> managing network in efs adding zones 1a,1b,1c



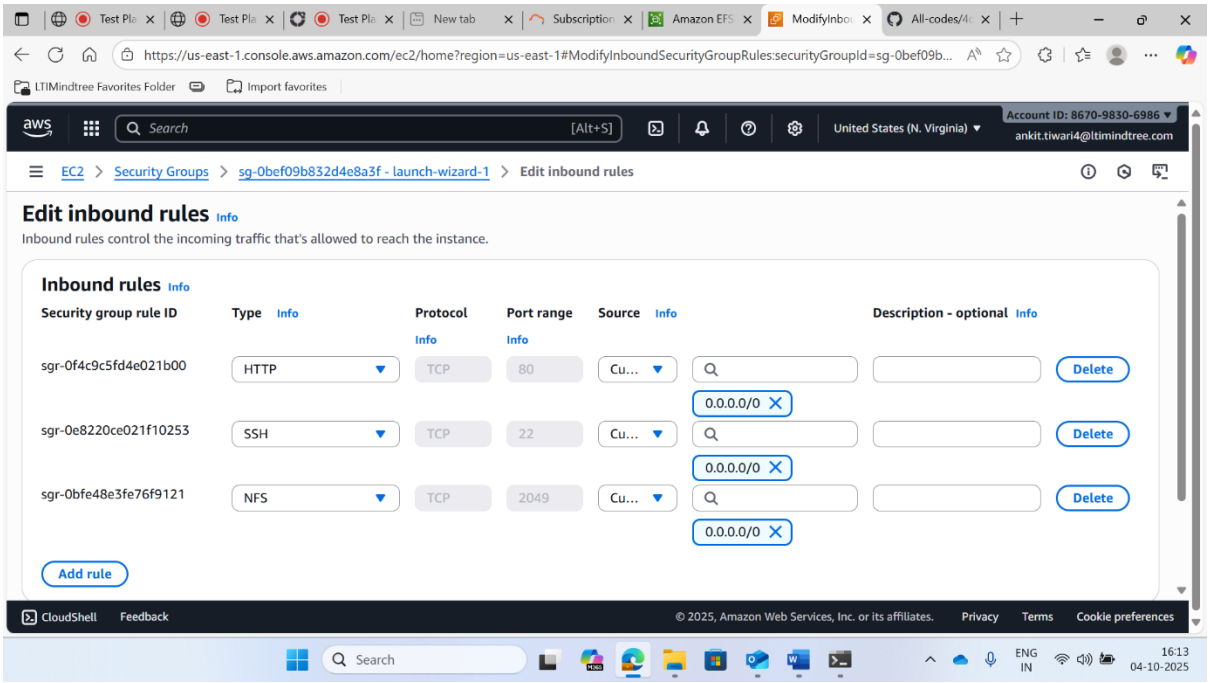
➔ Attaching Dns mount



➔ Mounting on terminal and creating files on 1st server

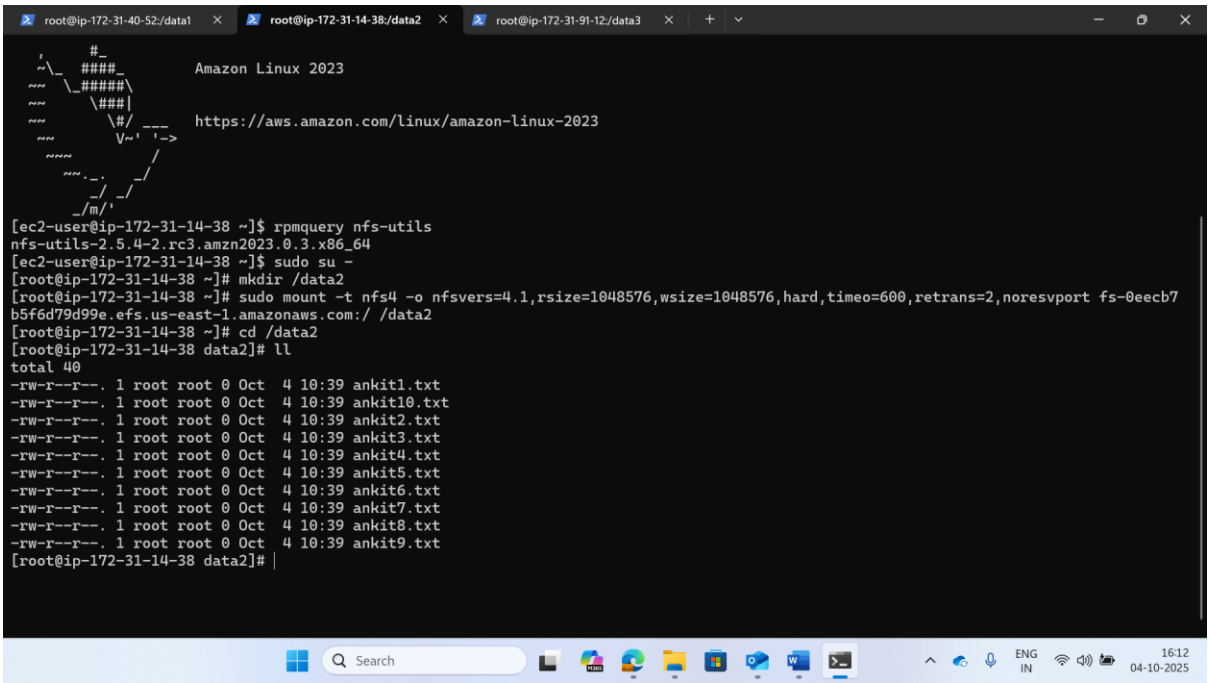


➔ Adding NFS security group port 2049

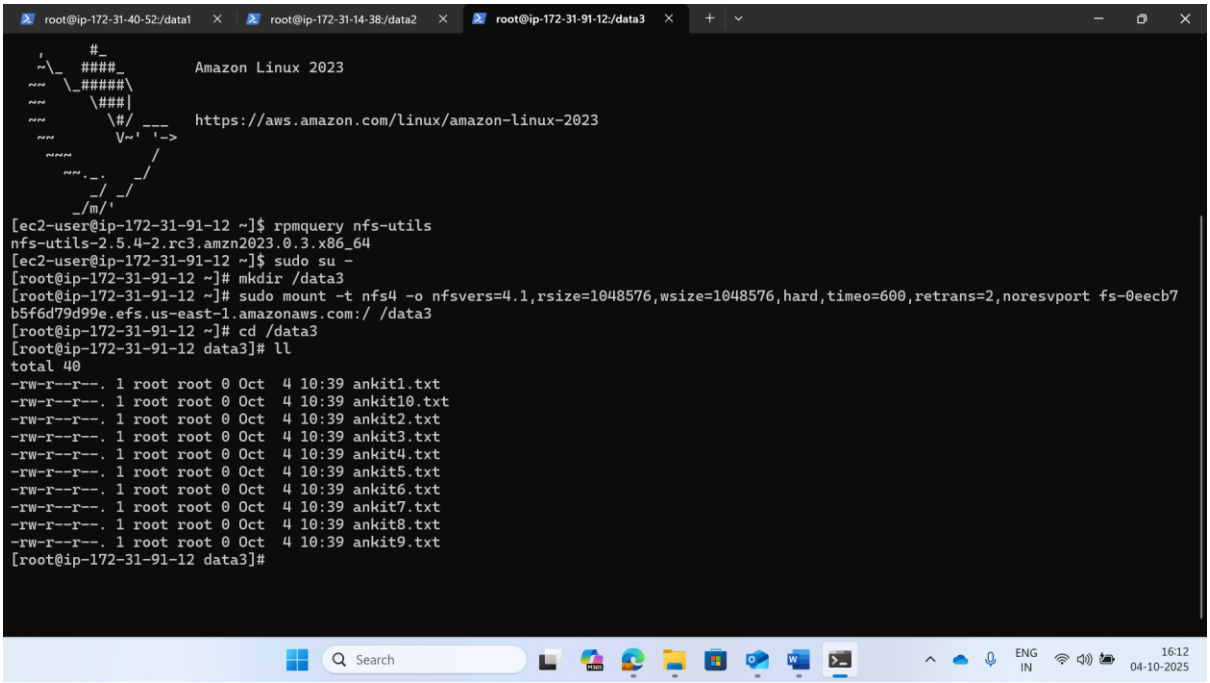


-> Files accessible on other servers

➔ Machine2



➔ Machine 3


root@ip-172-31-40-52:/data1
root@ip-172-31-14-38:/data2
root@ip-172-31-91-12:/data3
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-91-12 ~]$ rpmquery nfs-utils
nfs-utils-2.5.4-2.rc3.amzn2023.0.3.x86_64
[ec2-user@ip-172-31-91-12 ~]$ sudo su -
[root@ip-172-31-91-12 ~]# mkdir /data3
[root@ip-172-31-91-12 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-0eecb7b5f6d79d99e.efs.us-east-1.amazonaws.com:/ /data3
[root@ip-172-31-91-12 ~]# cd /data3
[root@ip-172-31-91-12 data3]# ll
total 40
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit1.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit10.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit2.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit3.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit4.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit5.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit6.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit7.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit8.txt
-rw-r--r--. 1 root root 0 Oct 4 10:39 ankit9.txt
[root@ip-172-31-91-12 data3]#
Search
ENG
IN
16:12
04-10-2025