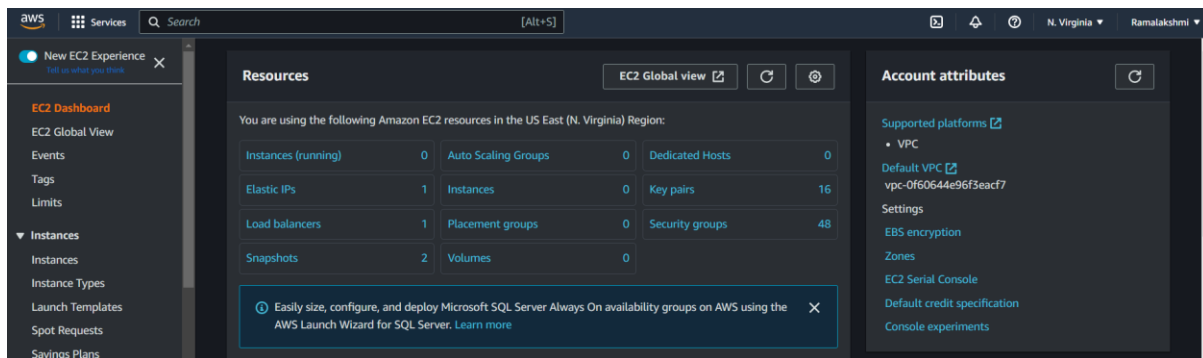
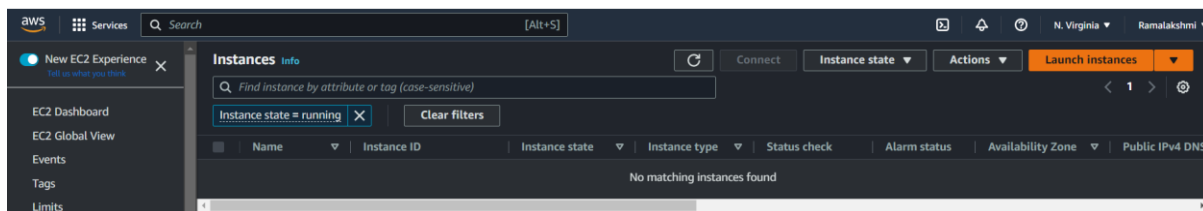


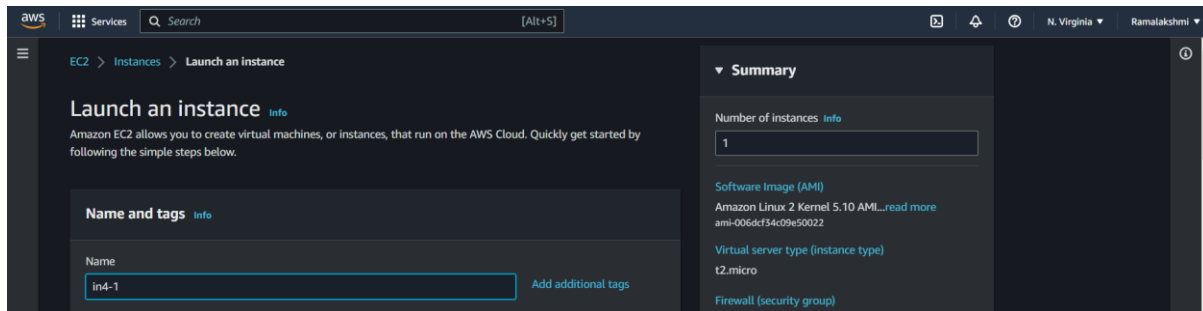
1. Below shows EC2 Instance Launch Page



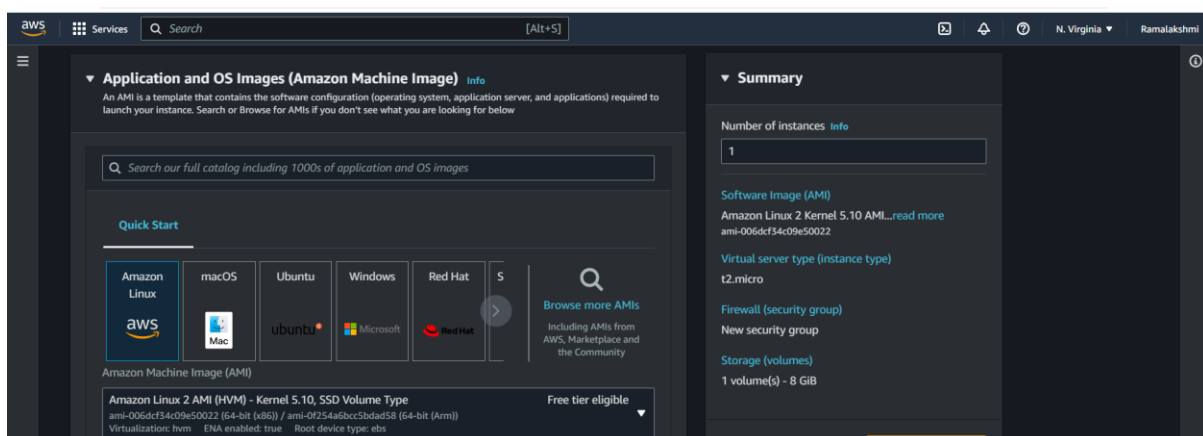
Click on launch instance



2. EC2 name and tags



3. EC2 AMI selection



4. EC2 Key Pair Creation

Create key pair

Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

Cancel Create key pair

Choosing created keypair

Instance type

t2.micro
Family: t2 1 vCPU 1 GiB Memory
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour
Free tier eligible
Compare instance types

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
assign28
Create new key pair

Summary

Number of instances
1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AML...read more
ami-006dcf34c09e50022

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
3 volumes (x) 8 GiB

aws

Services

Search

[Alt+S]

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Security group name - required

assign4

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./@#.%[]+=&.'|!\$*

Description - required Info

for assign four

Inbound security groups rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type Info

ssh

Protocol Info

TCP

Port range Info

22

Source type Info

Anywhere

Source Info

Anywhere

Description - optional Info

e.g. SSH for admin desktop

▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more
ami-006dcf34c09e50022

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

6. Selection of vpc and subnet for the respective ec2 instance.

7.EBS volume selection for the ec2 instance.

8. User Data Insertion Page with below command

#!/bin/bash

yum update -y

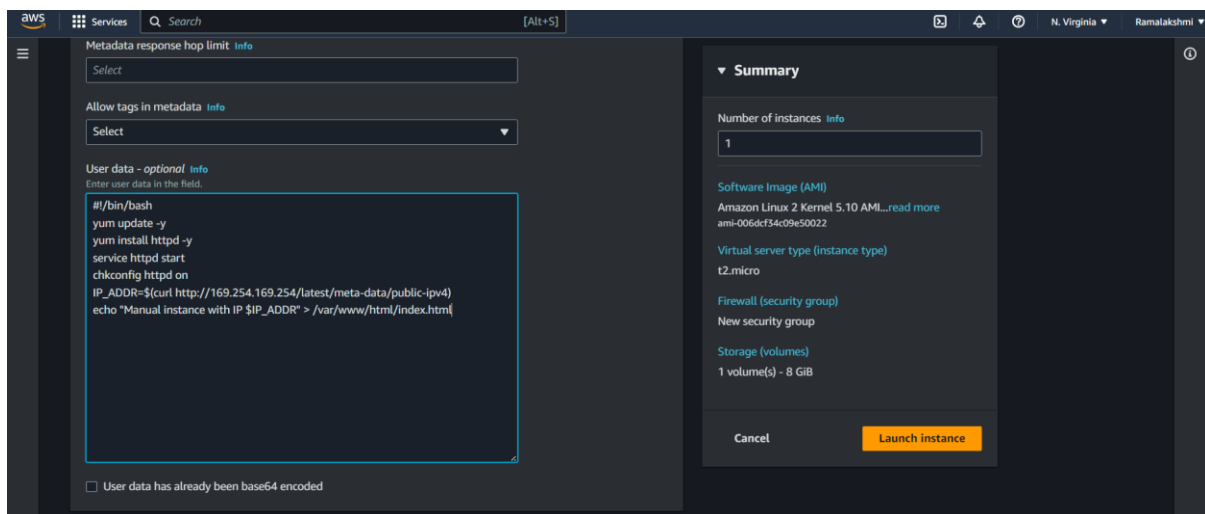
yum install httpd -y

service httpd start

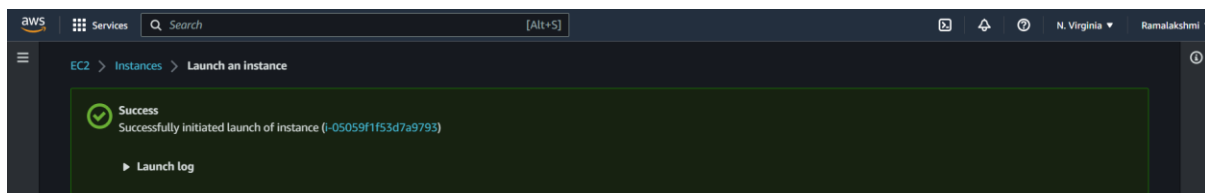
chkconfig httpd on

IP_ADDR=\$(curl http://169.254.169.254/latest/meta-data/public-ipv4)

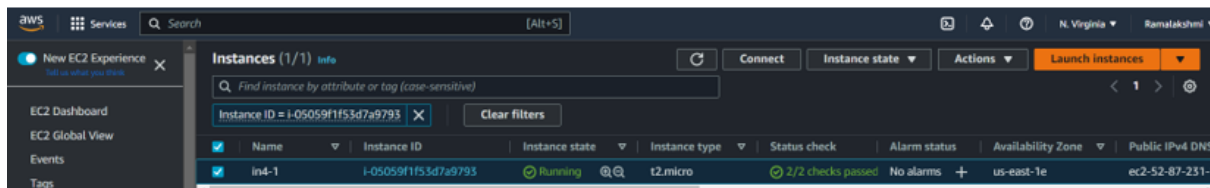
echo "Manual instance with IP \$IP_ADDR" > /var/www/html/index.html



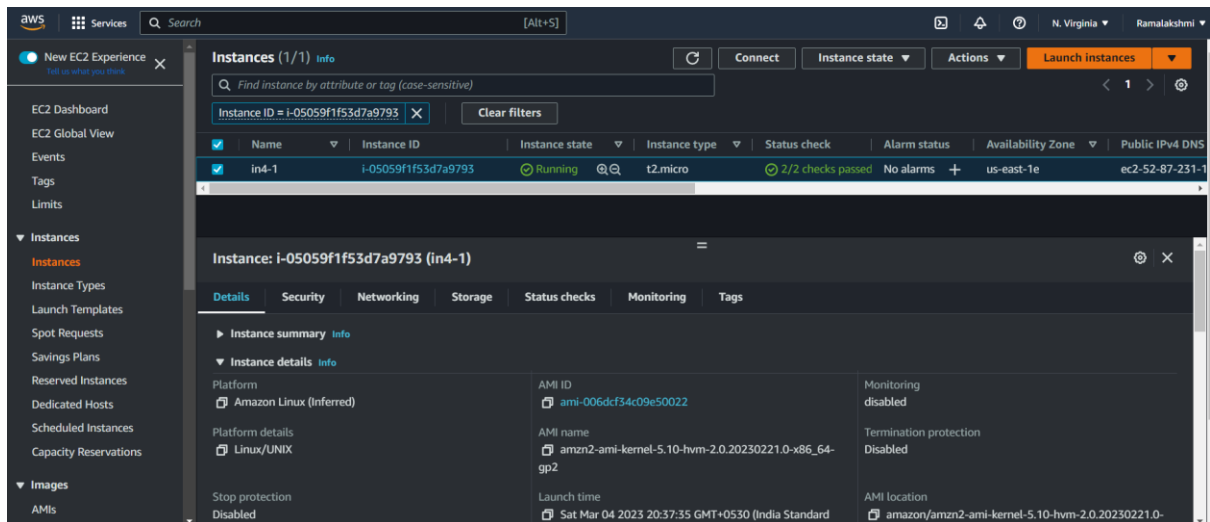
9. Instance got created.



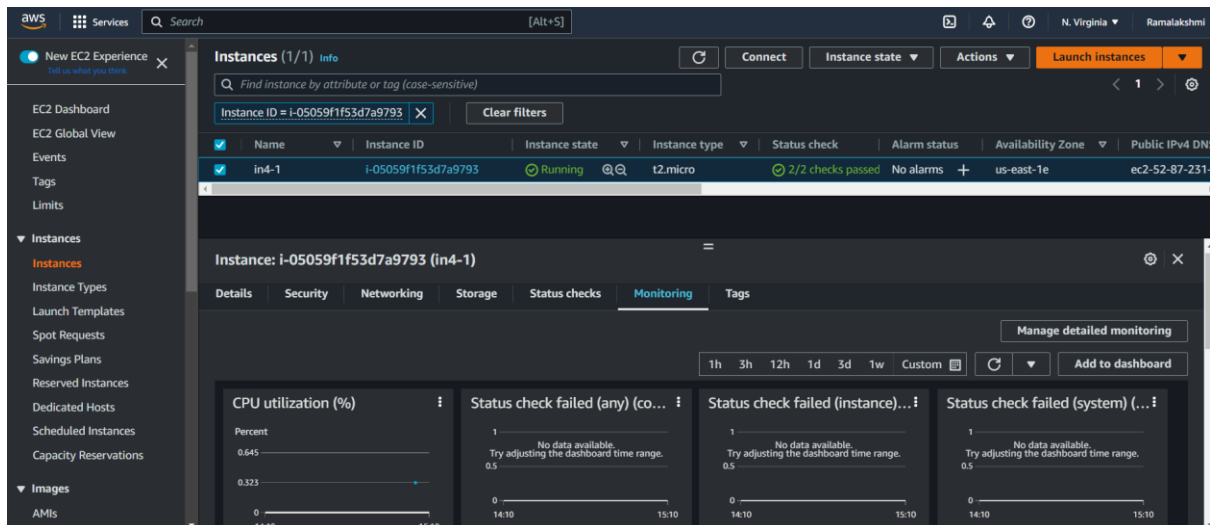
10.Instance in its running state.



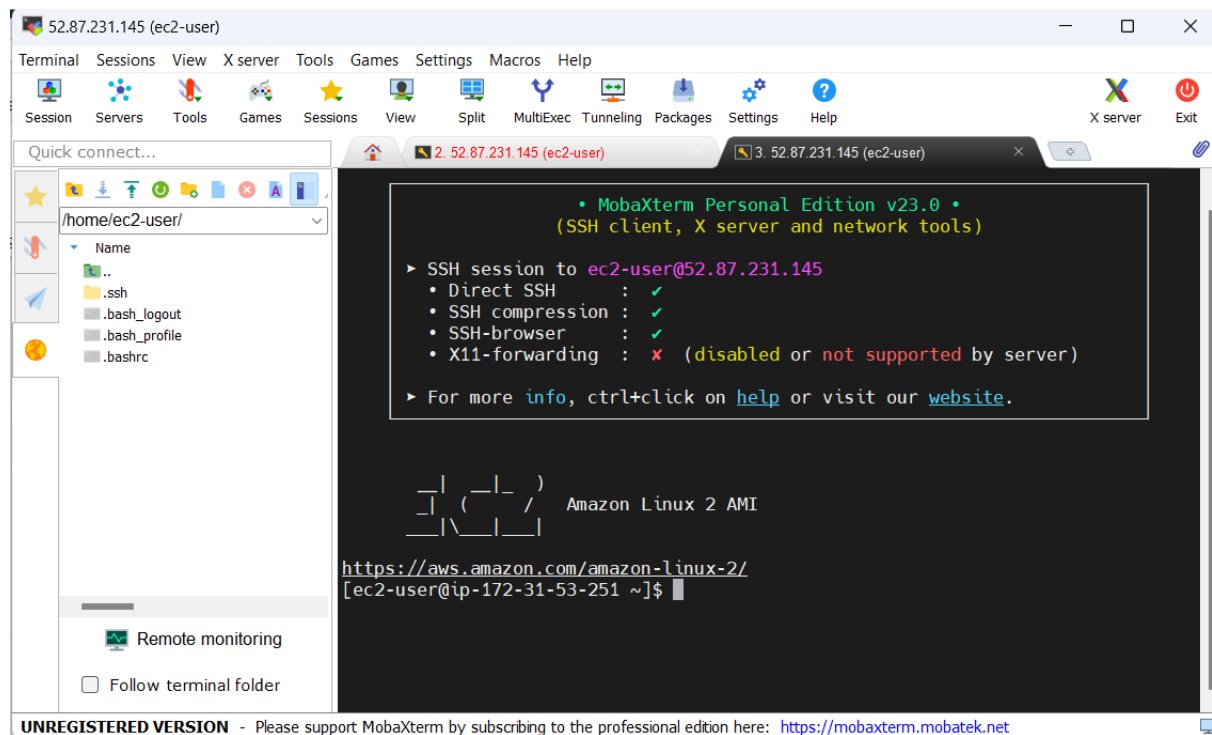
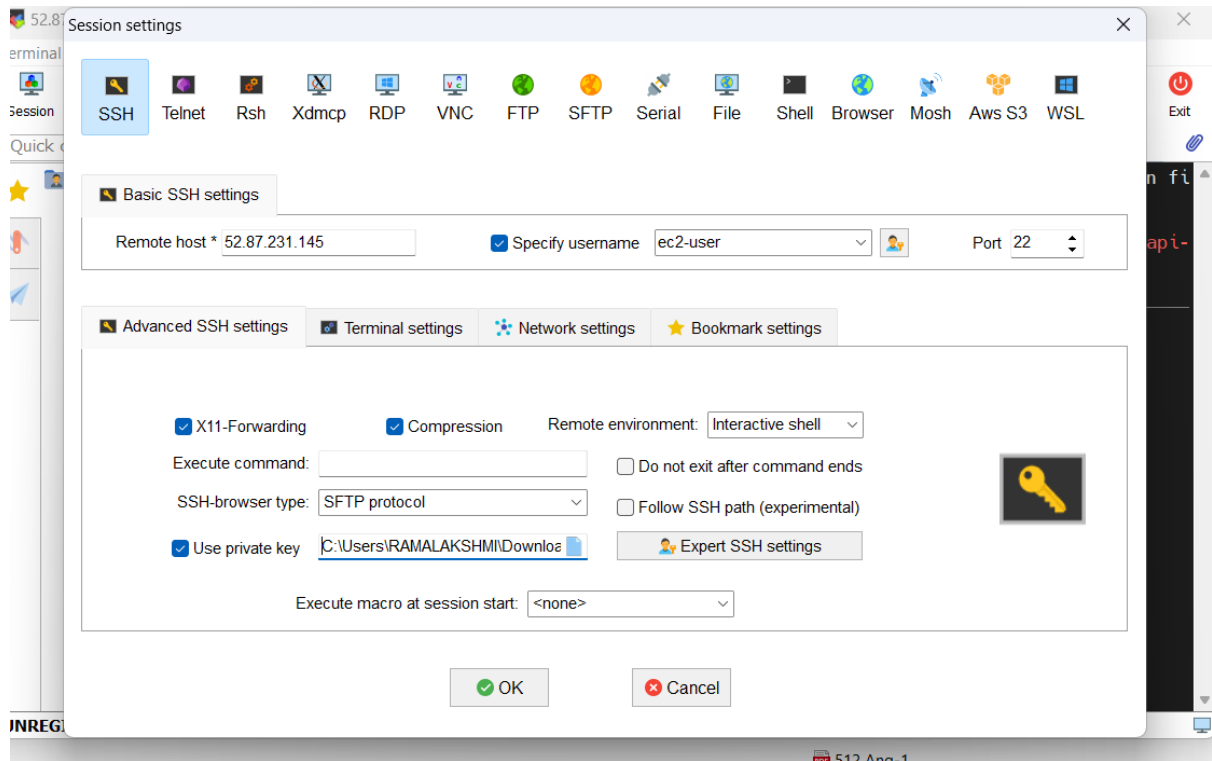
11.Ec2 instance page with public and private ip's



12.Ec2 instance monitoring page.



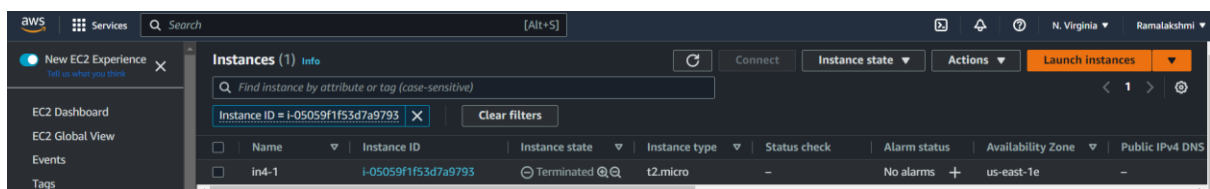
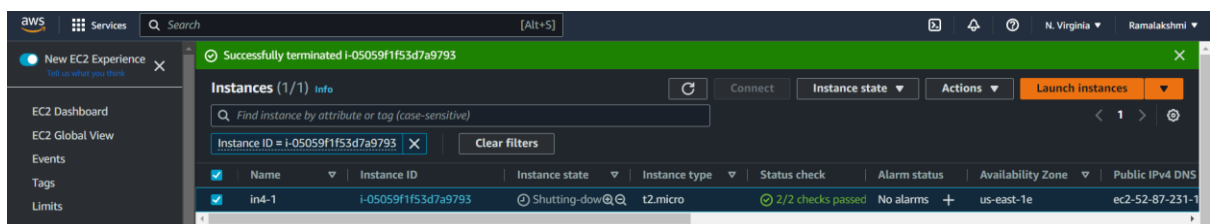
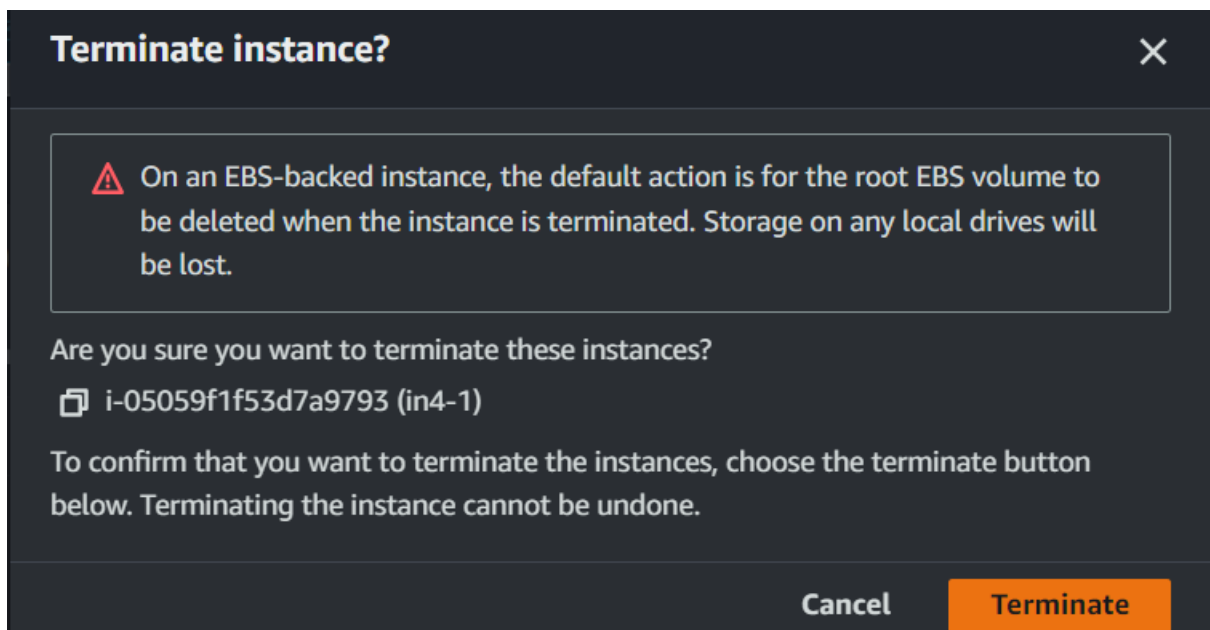
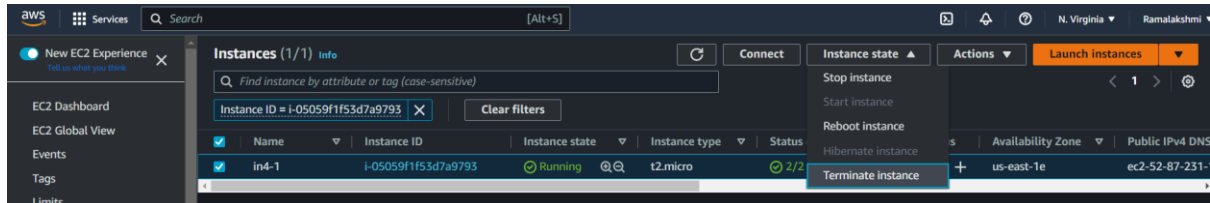
13.SSH access of EC2 in local machine.



14. Browsing of ec2 instance in browser local machine.



15. Terminating the instance



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ROLLNO: 20A91A0579

Git reference: <https://github.com/Ramalakshmi-lab/Devassignment/blob/main/assign04.pdf>