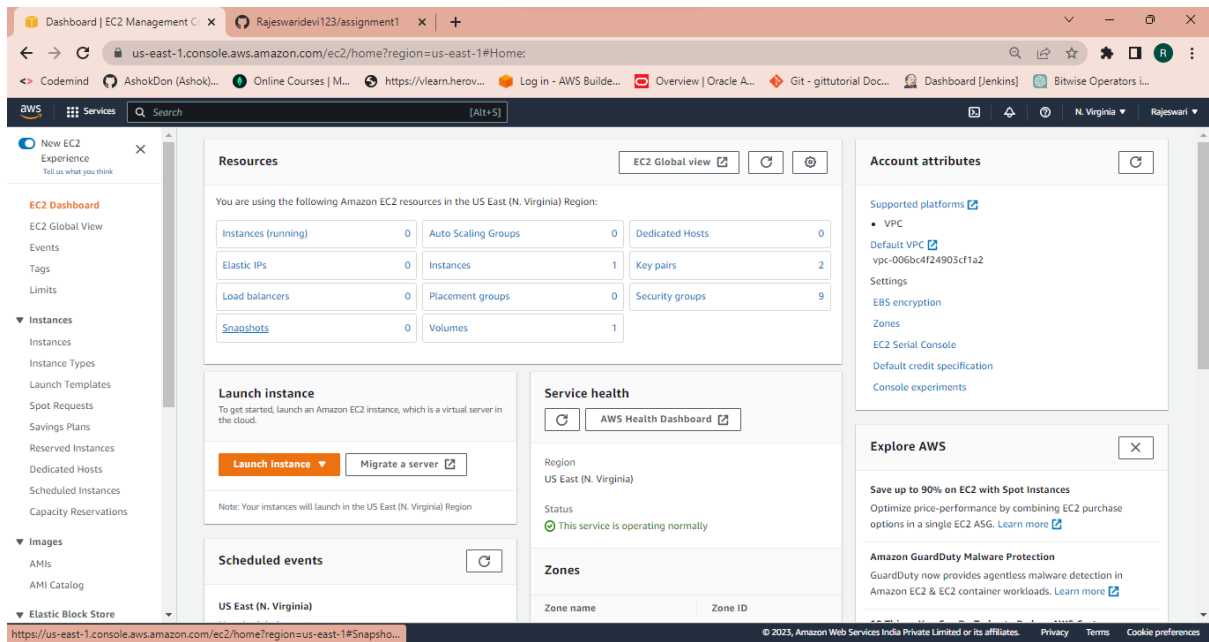
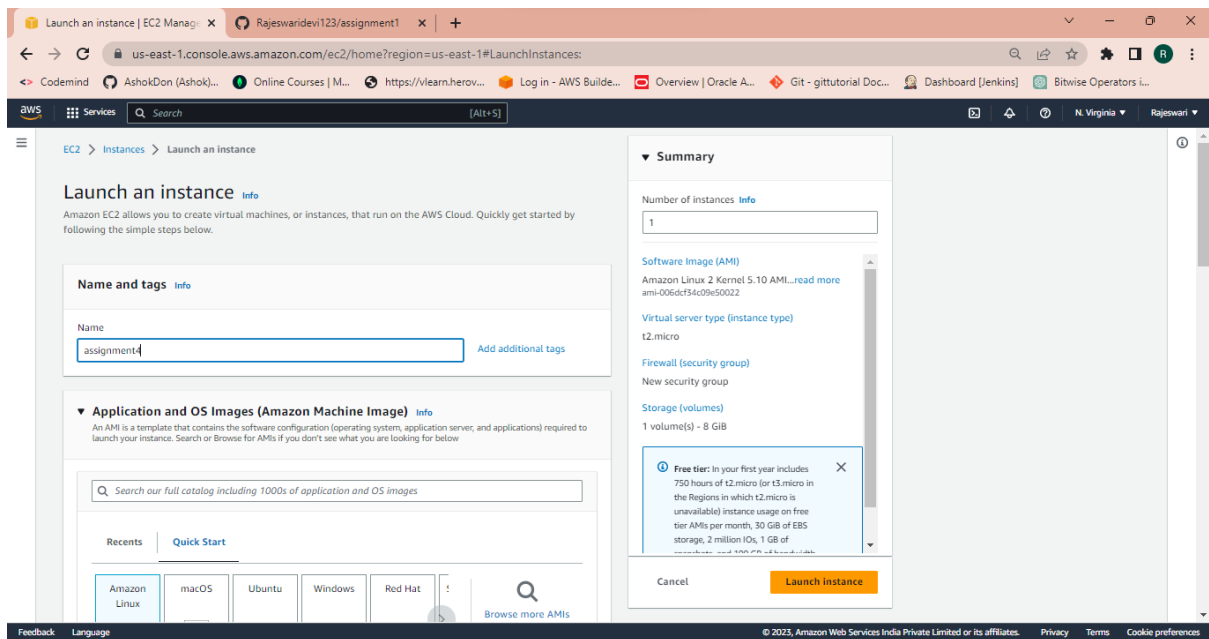


# ASSIGNMENT 4

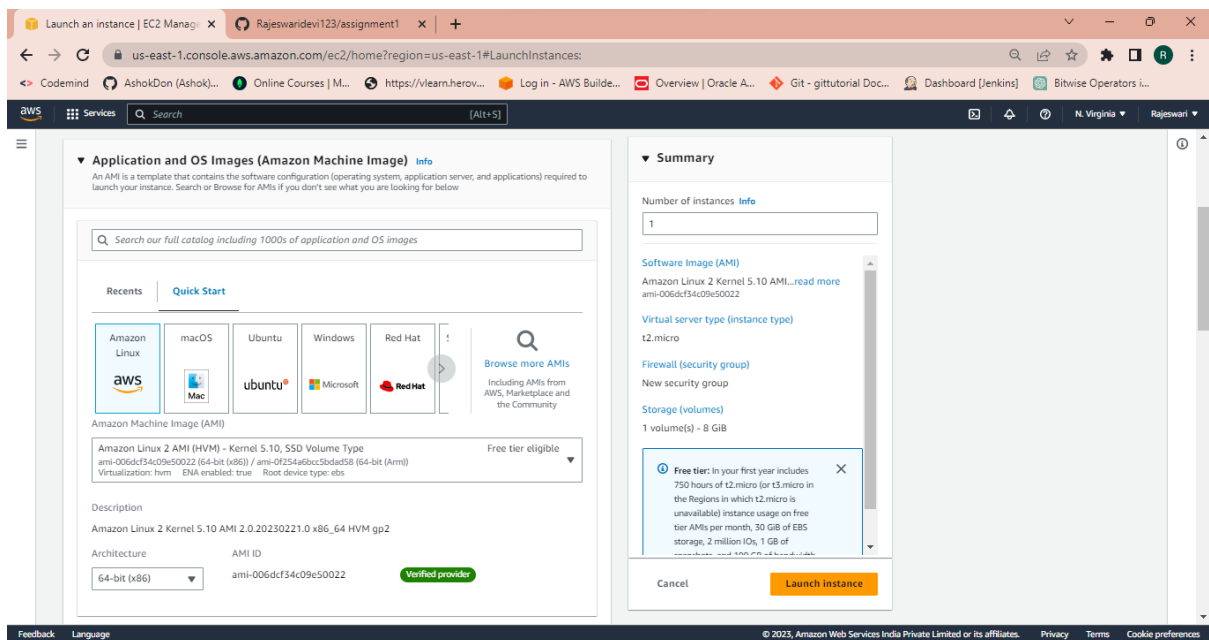
## 1. EC2 Instance Launch Page.



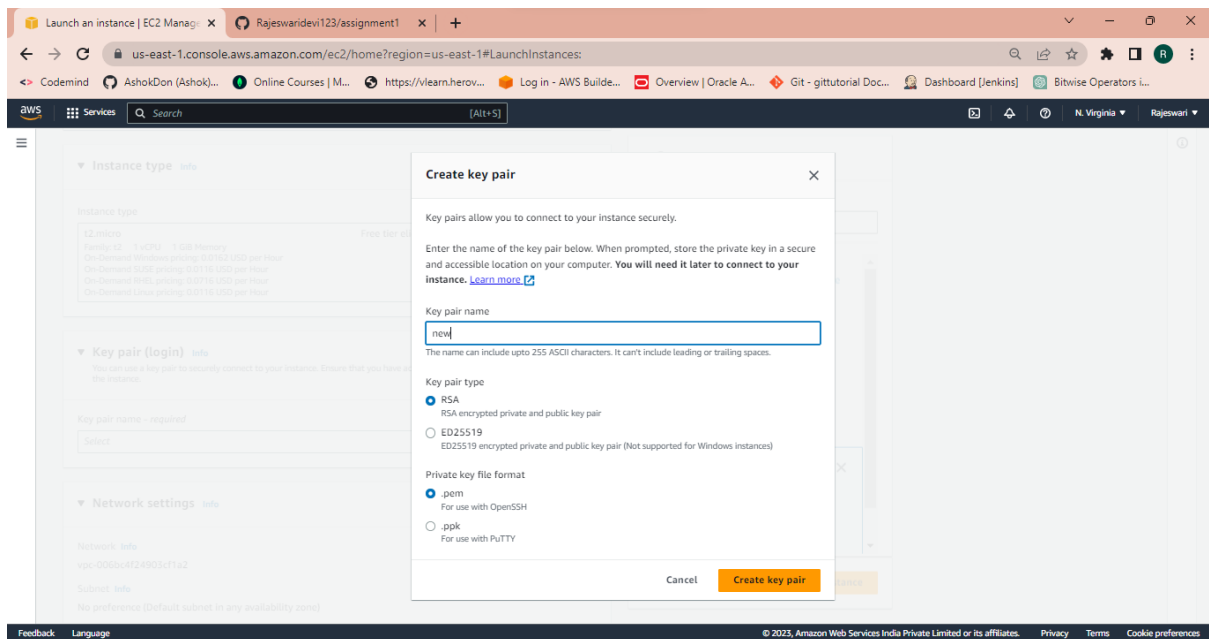
## 2. EC2 Name and Tag Creation.



### 3. EC2 AMI Selection.



### 4. EC2 Key Pair Creation



Launch an instance | EC2 Manag... x Rameswaridevi123/assignment1 x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Codemind AshokDon (Ashok)... Online Courses | M... https://vlearn.herov... Log in - AWS Build... Overview | Oracle A... Git - gittutorial Doc... Dashboard [Jenkins] Bitwise Operators L...

AWS Services Search [Alt+S]

Architecture 64-bit (x86) AMI ID ami-006dcf54c09e50022 Verified provider

▼ Instance type Info

Instance type t2.micro Family: t2 1 vCPU 1 GiB Memory Free tier eligible 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 Compare instance types

▼ Key pair (login) Info

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 new Create new key pair

▼ Network settings Info Edit

▼ Summary

Number of instances Info 1

Software Image (AMI) Amazon Linux 2 Kernel 5.10 AMI...read more ami-006dcf54c09e50022

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of ...

Cancel Launch instance

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

## 5. EC2 Security Group Creation ( SSH,HTTP,HTTPS).

Launch an instance | EC2 Manag... x Rameswaridevi123/assignment1 x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Codemind AshokDon (Ashok)... Online Courses | M... https://vlearn.herov... Log in - AWS Build... Overview | Oracle A... Git - gittutorial Doc... Dashboard [Jenkins] Bitwise Operators L...

AWS Services Search [Alt+S]

Type Info ssh Protocol Info TCP Port range Info 22

Source type Info Anywhere Source Info 0.0.0.0/0 Description - optional Info e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0) Remove

Type Info HTTP Protocol Info TCP Port range Info 80

Source type Info Anywhere Source Info 0.0.0.0/0 Description - optional Info e.g. SSH for admin desktop

▼ Security group rule 3 (TCP, 443, 0.0.0.0/0) Remove

Type Info HTTPS Protocol Info TCP Port range Info 443

Source type Info Anywhere Source Info 0.0.0.0/0 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-006dcf54c09e50022

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of ...

Cancel Launch instance

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## 6. EC2 VPC and Subnet Selection

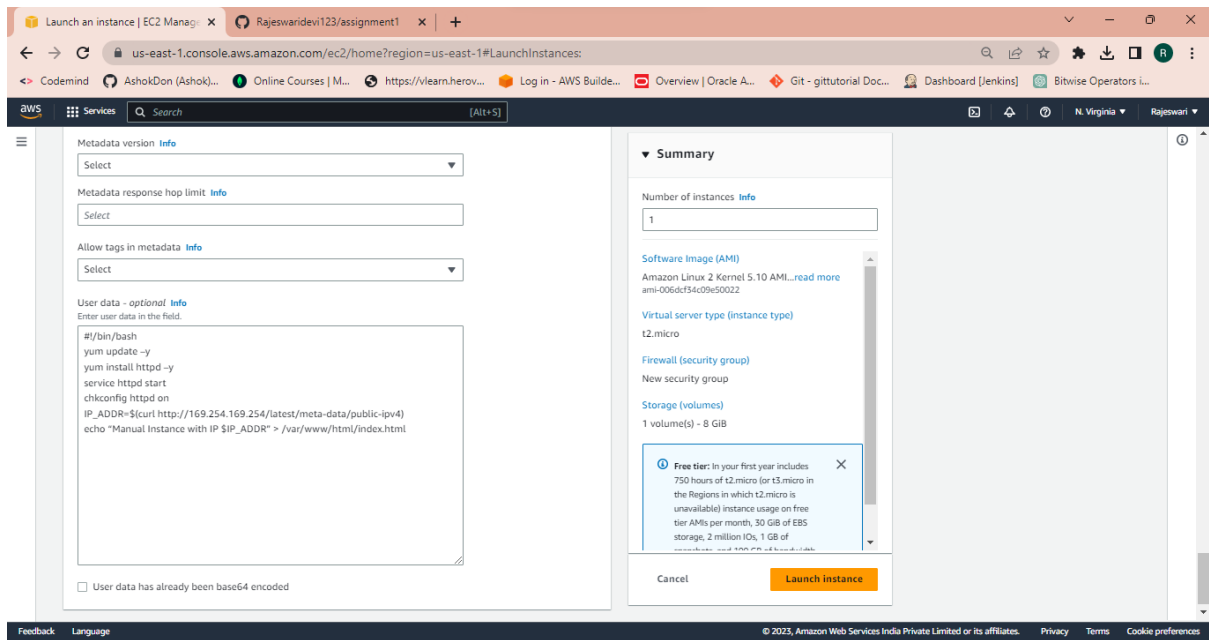
The screenshot shows the 'Launch instance' page in the AWS Management Console, specifically the 'Network settings' tab. The 'VPC' dropdown is set to 'vpc-006bc4f24903cf1a2' (default). The 'Subnet' dropdown is set to 'subnet-0e9275c39f987d92a'. The 'Auto-assign public IP' is set to 'Enable'. The 'Firewall (security groups)' section has 'Create security group' selected. The 'Security group name' is 'launch-wizard-7'. The 'Description' is 'launch-wizard-7 created 2023-03-04T16:43:28.409Z'. The 'Inbound security groups rules' section shows 'Security group rule 1 (TCP, 22, 0.0.0.0/0)' with a 'Remove' button. The 'Summary' panel on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Amazon Linux 2 Kernel 5.10 AMI', 'Virtual server type (instance type)' as 't2.micro', 'Firewall (security group)' as 'New security group', and 'Storage (volumes)' as '1 volume(s) - 8 GiB'. A 'Free tier' notification is visible in the summary panel.

## 7. EC2 EBS Volume Selection

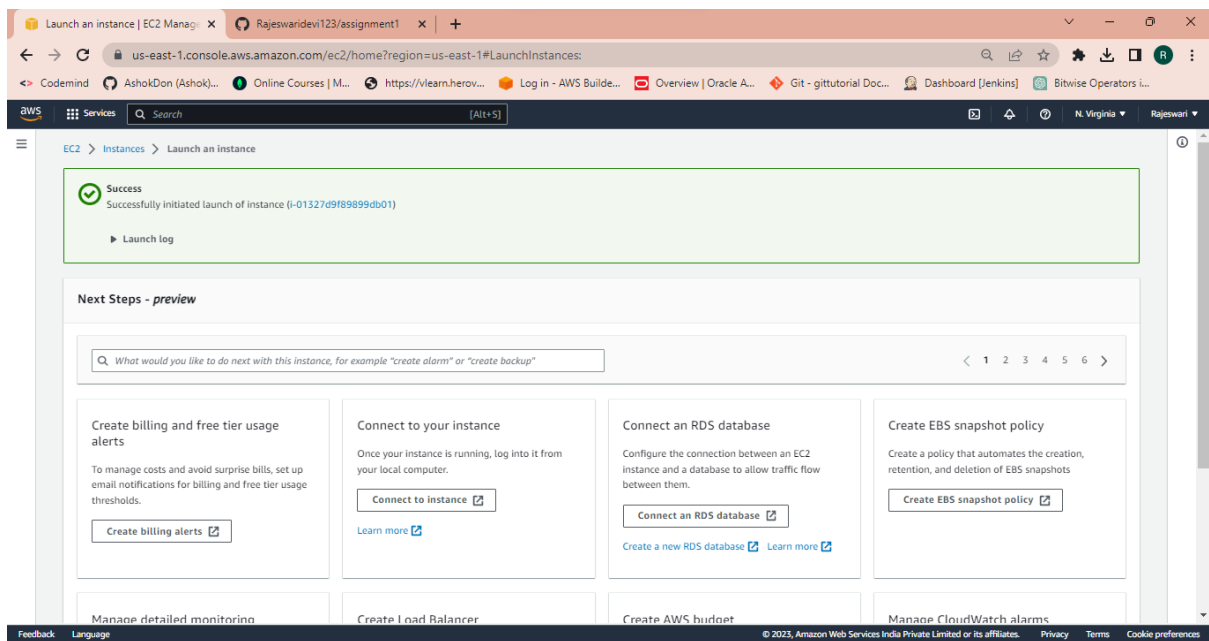
The screenshot shows the 'Launch instance' page in the AWS Management Console, specifically the 'Storage (volumes)' tab. A warning message at the top states: 'Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.' The 'Add security group rule' button is visible. The 'Storage (volumes)' section shows 'EBS Volumes' with 'Volume 1 (AMI Root) (8 GiB, EBS, General purpose SSD (gp2))'. The 'Add new volume' button is present. The 'File systems' section is empty. The 'Advanced details' section is also empty. The 'Summary' panel on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Amazon Linux 2 Kernel 5.10 AMI', 'Virtual server type (instance type)' as 't2.micro', 'Firewall (security group)' as 'New security group', and 'Storage (volumes)' as '1 volume(s) - 8 GiB'. A 'Free tier' notification is visible in the summary panel.

## 8. User Data Insertion Page with below command

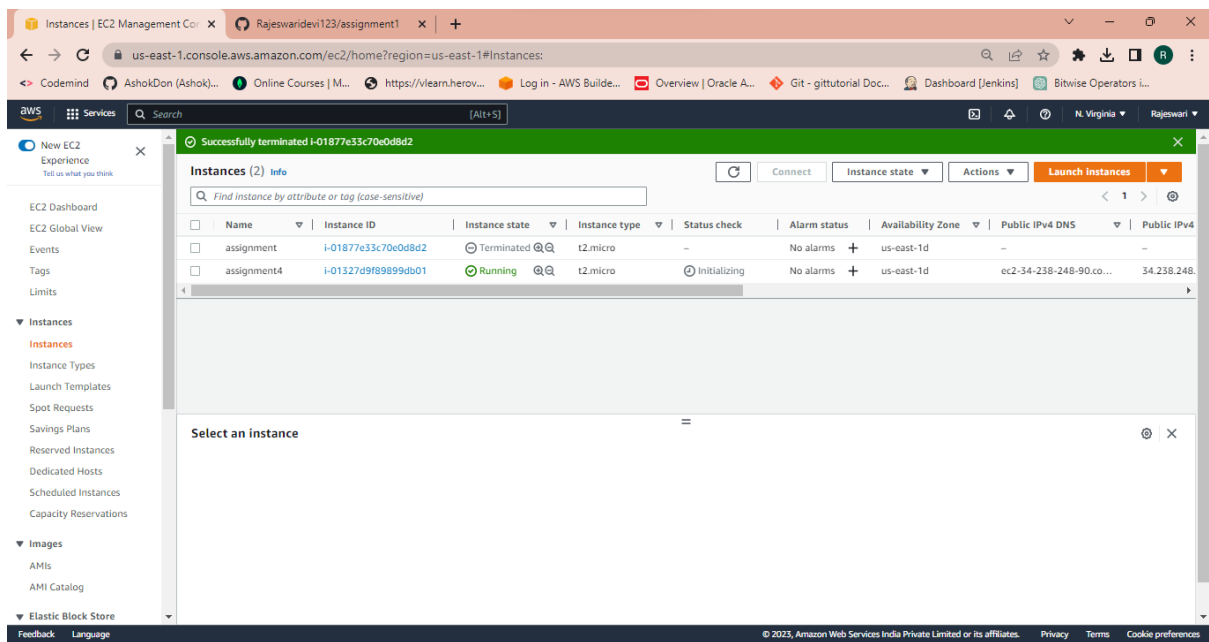
```
#!/bin/bash
yum update -y
yum install httpd -y
service httpd start
chkconfig httpd on
IP_ADDR=$(curl http://169.254.169.254/latest/meta-data/public-ipv4)
echo "Manual instance with IP $IP_ADDR" > /var/www/html/index.html
```



## 9. EC2 Launch Logs



## 10. EC2 Instance Running State.

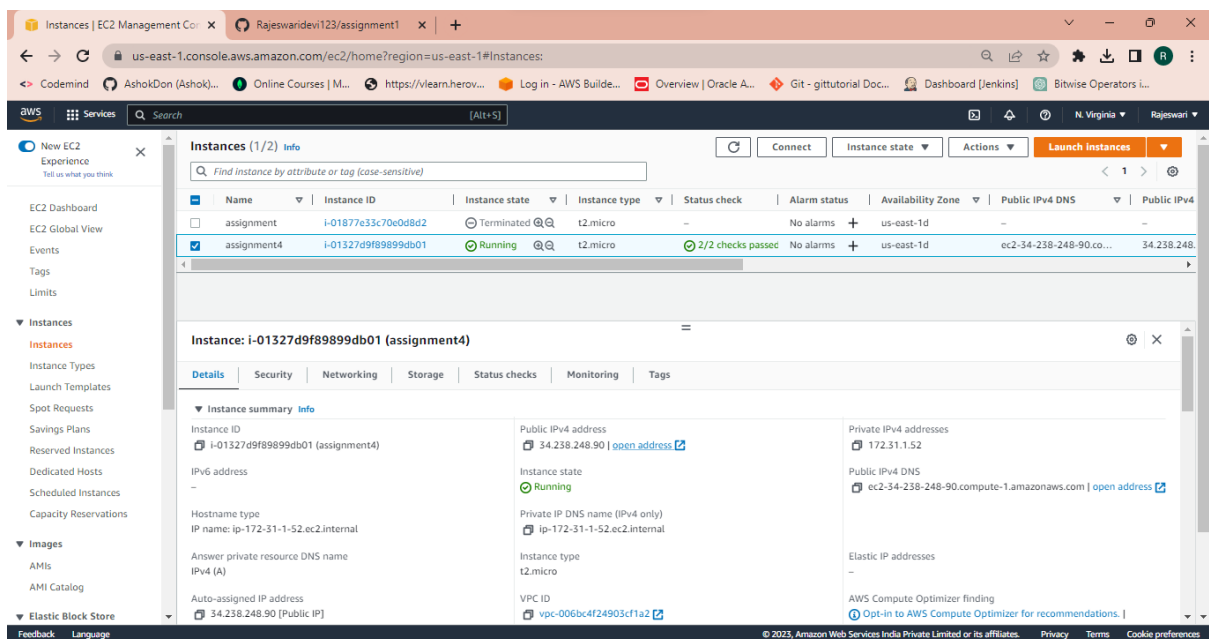


The screenshot shows the AWS Management Console for the EC2 service. The top navigation bar includes the AWS logo, a search bar, and the user's name 'Rajeshwari'. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and a list of services including Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, and Elastic Block Store. The main content area displays the 'Instances (2)' page. A green banner at the top indicates 'Successfully terminated i-01877e33c70e0d8d2'. Below this, a table lists the instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
assignment	i-01877e33c70e0d8d2	Terminated	t2.micro	-	No alarms	us-east-1d	-	-
assignment4	i-01327d9f89899db01	Running	t2.micro	Initializing	No alarms	us-east-1d	ec2-34-238-248-90.co...	34.238.248.

Below the table, there is a 'Select an instance' button. The bottom of the console shows the footer with copyright information and links for Privacy, Terms, and Cookie preferences.

## 11. EC2 Summary Page with Public and Private IP.

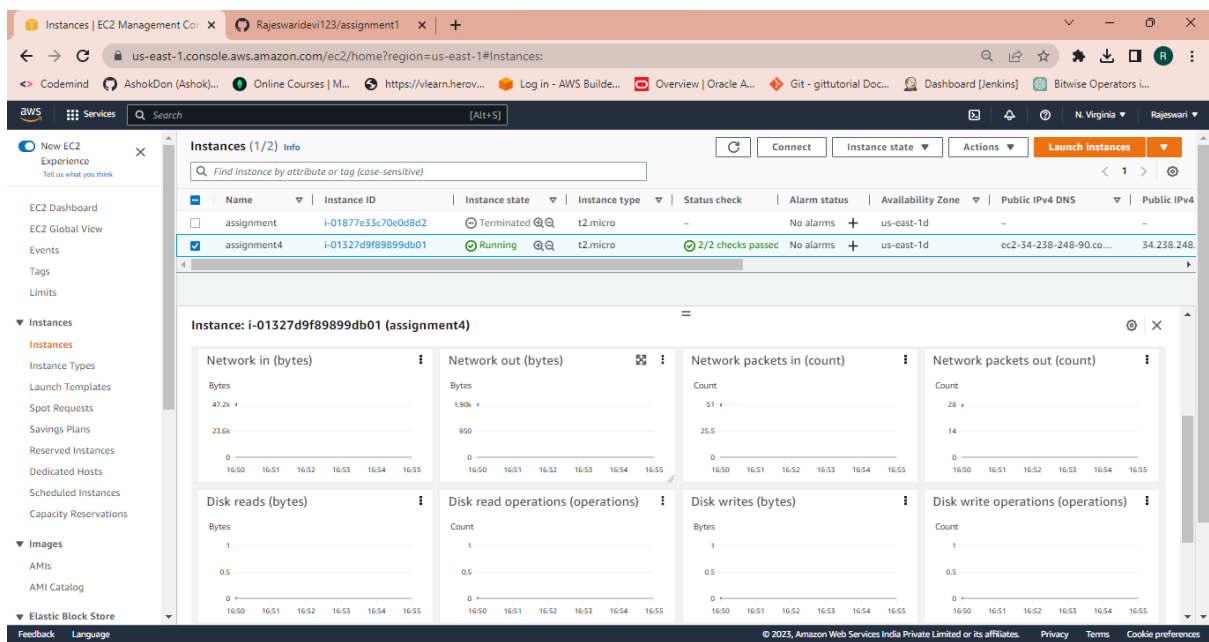
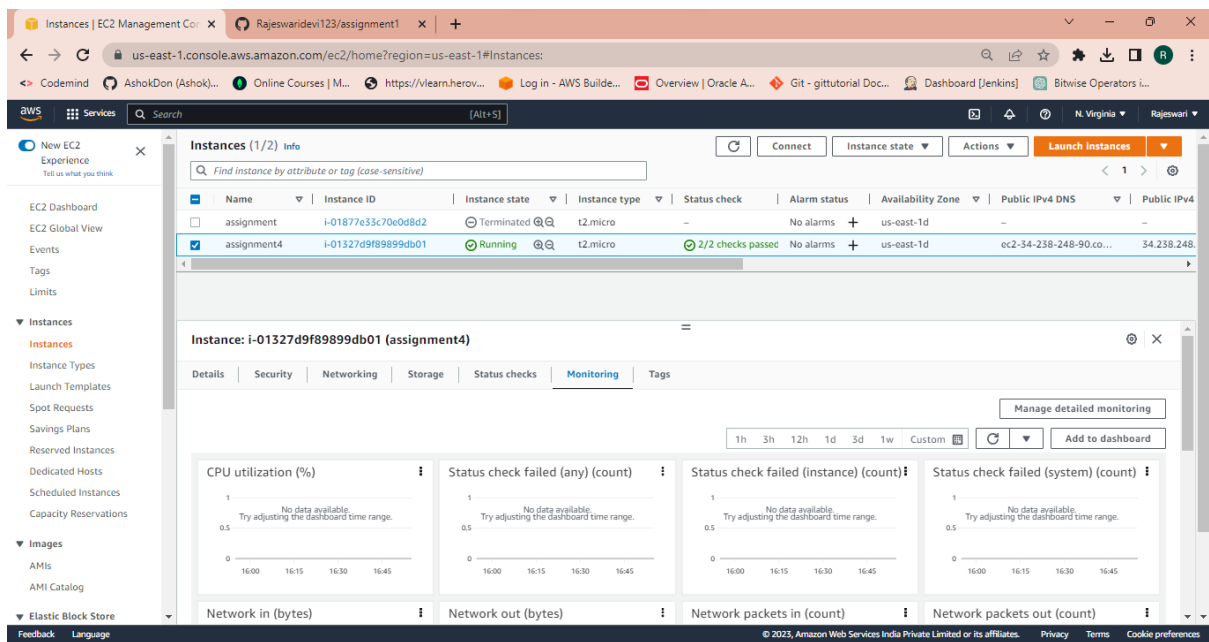


The screenshot shows the AWS Management Console for the EC2 service, specifically the 'Instance: i-01327d9f89899db01 (assignment4)' summary page. The top navigation bar and left sidebar are the same as in the previous screenshot. The main content area displays the instance details:

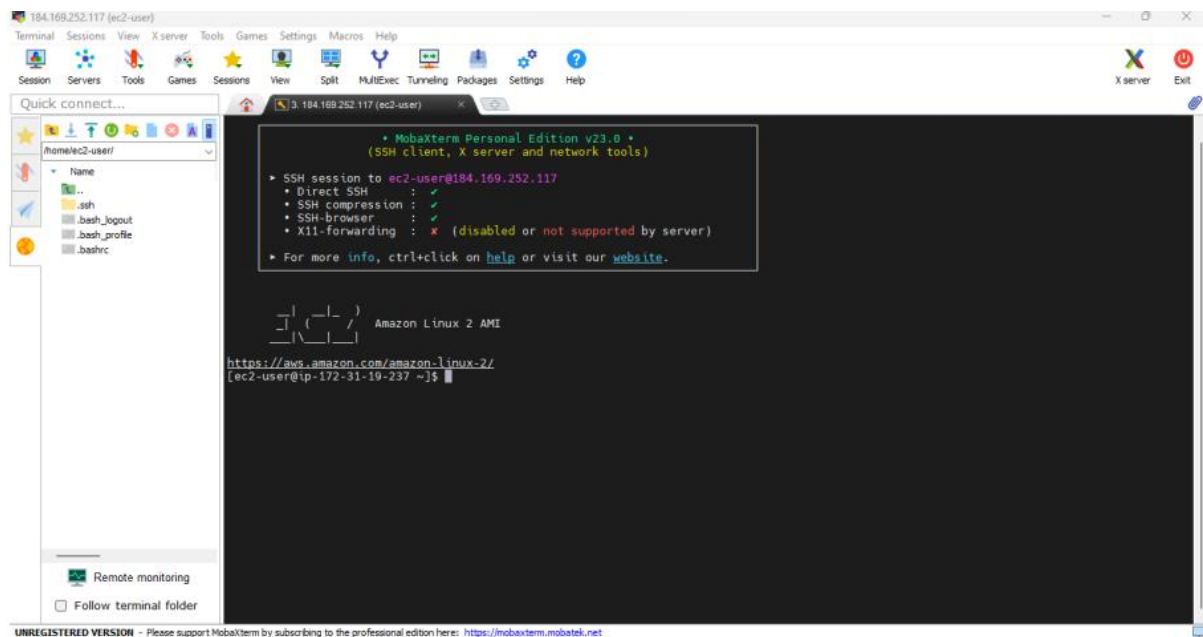
Details	Security	Networking	Storage	Status checks	Monitoring	Tags
<b>Instance summary Info</b>						
Instance ID i-01327d9f89899db01 (assignment4)		Public IPv4 address 34.238.248.90   <a href="#">open address</a>		Private IPv4 addresses 172.31.1.52		
IPv6 address -		Instance state Running		Public IPv4 DNS ec2-34-238-248-90.compute-1.amazonaws.com   <a href="#">open address</a>		
Hostname type IP name: ip-172-31-1-52.ec2.internal		Private IP DNS name (IPv4 only) ip-172-31-1-52.ec2.internal		Elastic IP addresses -		
Answer private resource DNS name IPv4 (A)		Instance type t2.micro		AWS Compute Optimizer finding <a href="#">Opt-in to AWS Compute Optimizer for recommendations.</a>		
Auto-assigned IP address 34.238.248.90 [Public IP]		VPC ID vpc-006bc4f24903cf1a2				

The bottom of the console shows the footer with copyright information and links for Privacy, Terms, and Cookie preferences.

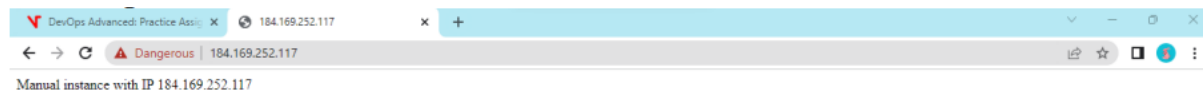
## 12. EC2 Instance Monitoring Page.



### 13. SSH Access of EC2 instance in Local Machine.

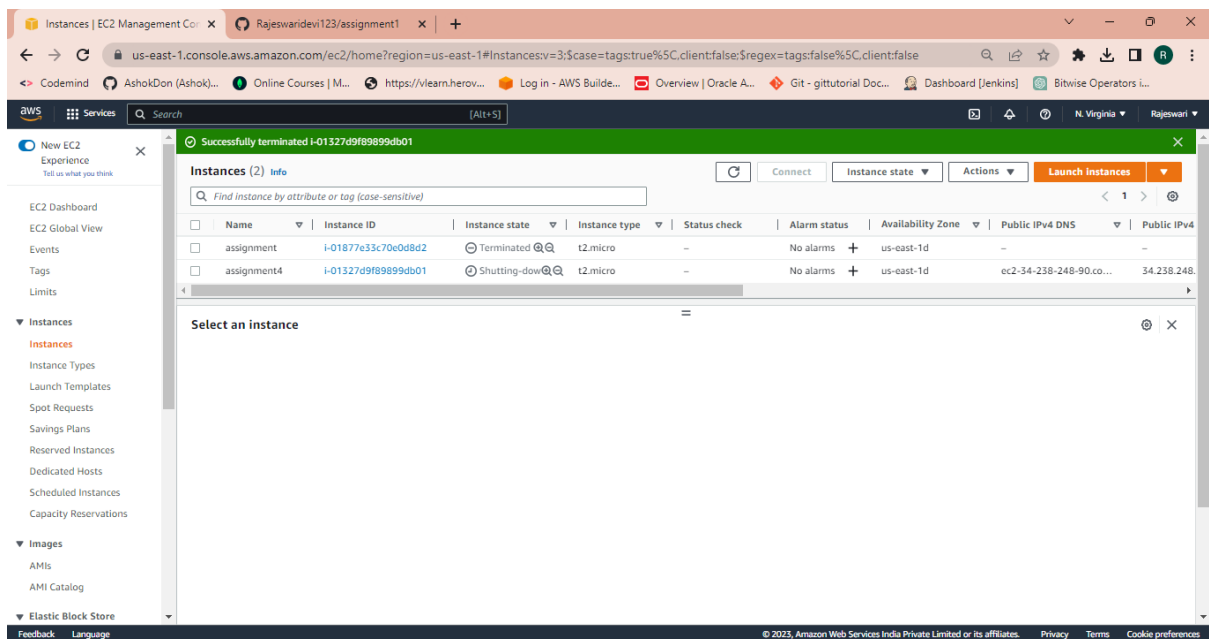
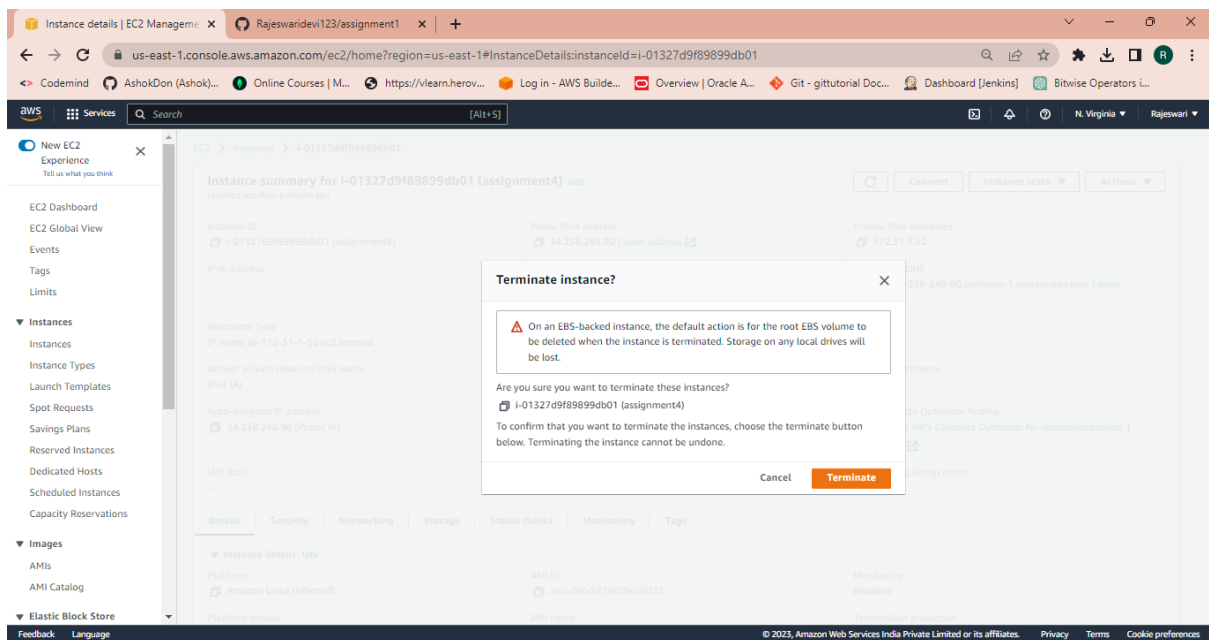


### 14. Browsing EC2 instance in the Browser Local Machine.





## 15. Terminating the Resource.



<https://github.com/Rajeswaridevi123/assignment1.git>

K.R.V.RAJESWARI DEVI