WIMS 2021 Batch - Cloud Computing (CSIWZG527)

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Course Name - Cloud Computing
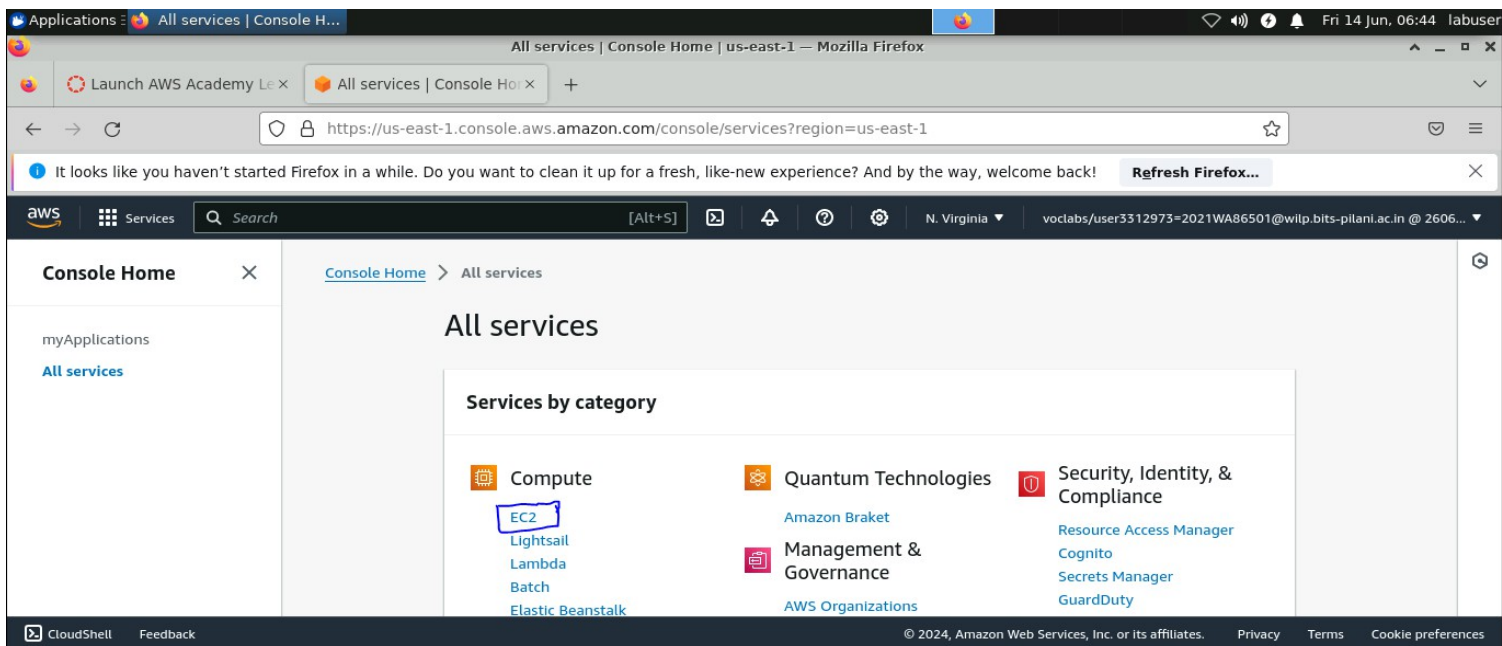
Course code - CSIWZG527

Subject - Cloud Computing LAB Assignment

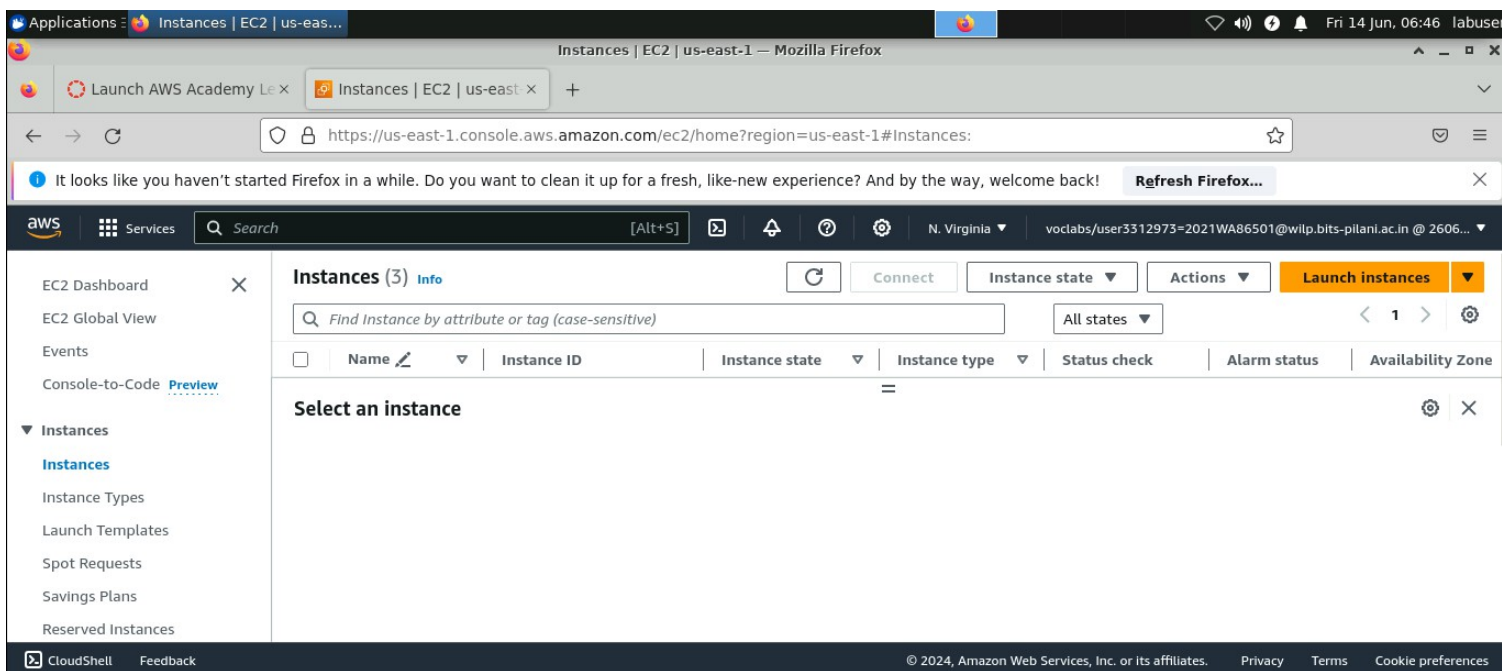# WIMS 2021 Batch - Cloud Computing (CSIWZG527)

Task 1 :-

Problem Statement : Create an Amazon Elastic Compute Cloud (Amazon EC2) instance.

Steps 1 :- Open AWS Managemt Console > Click on Services Menu > Select "EC2" under "Compute".
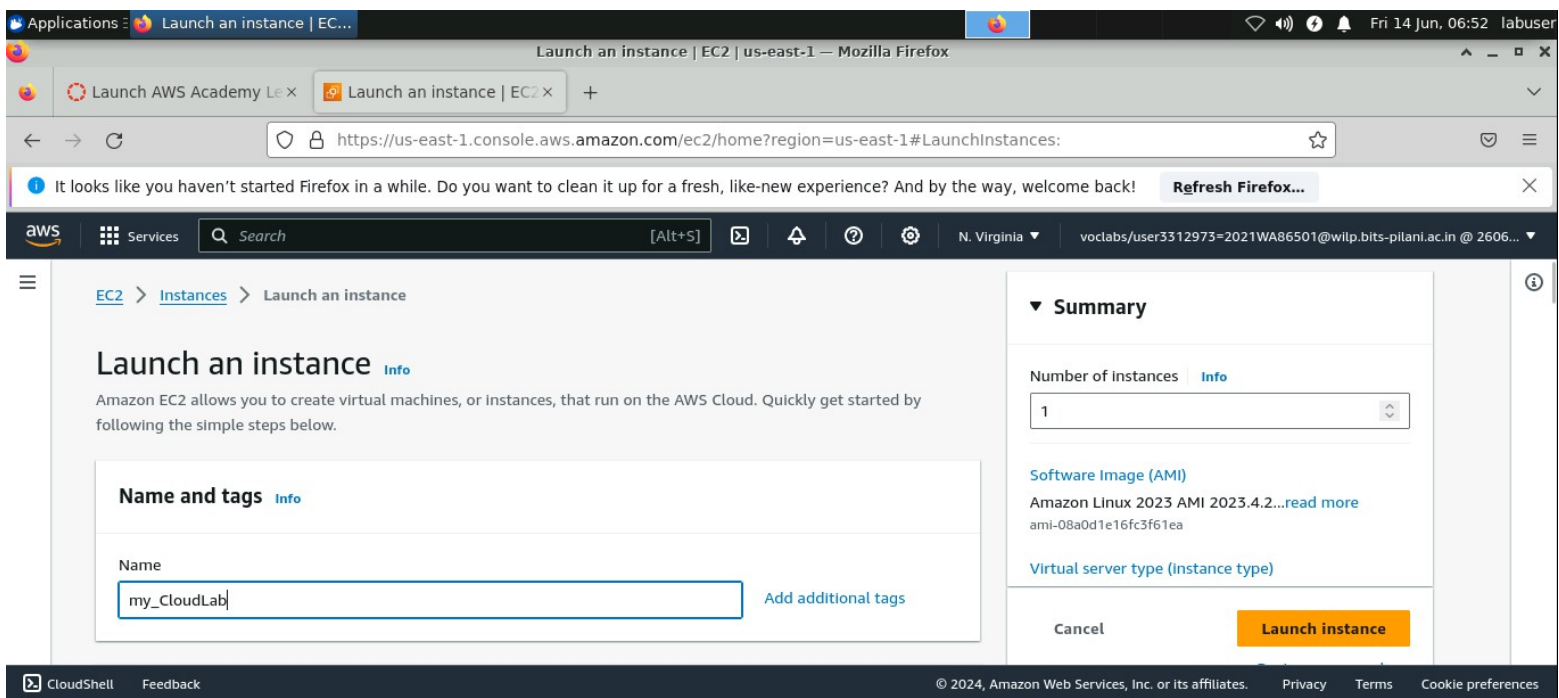

Steps 2:- On the EC2 dashboard, click on "Instances" > select "Launch instance" to start the instance creation wizard.
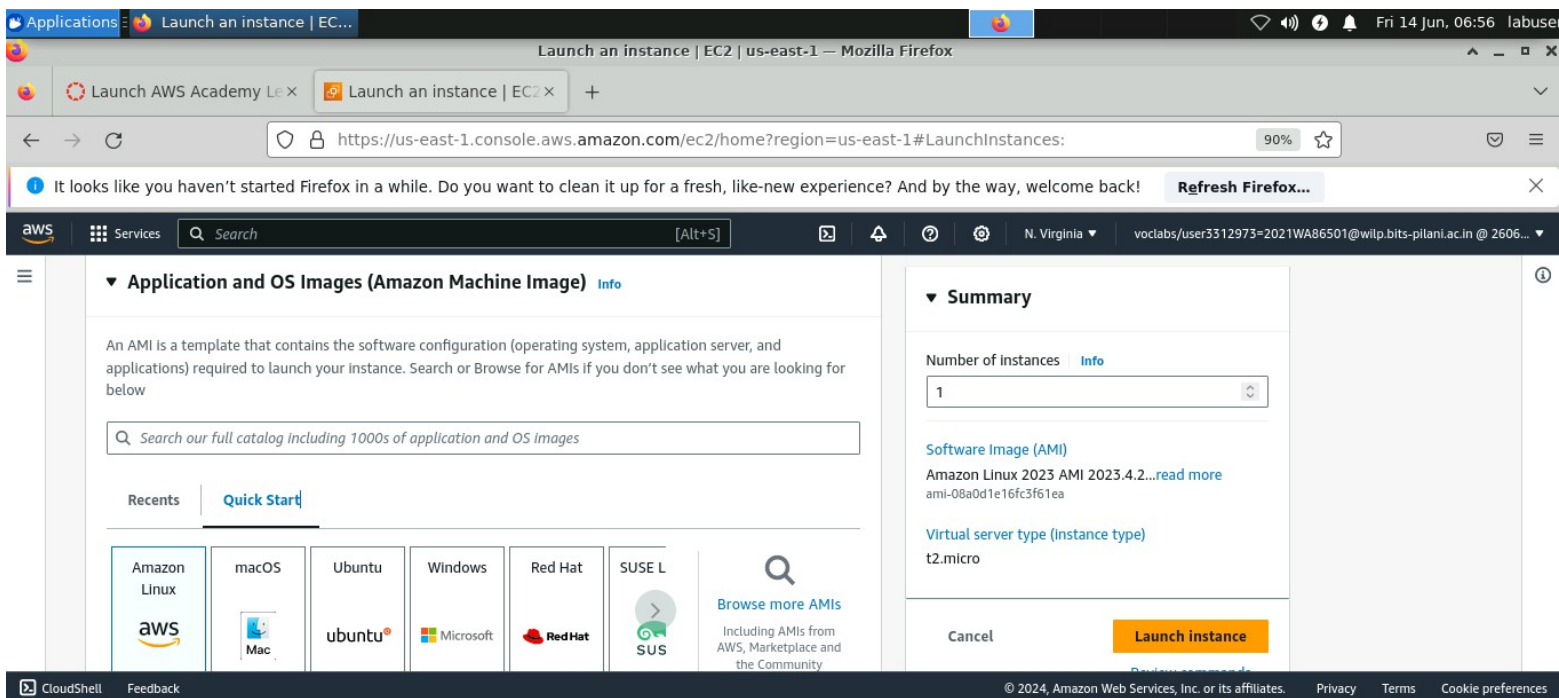
Steps 3 :- Now provide the name of the EC2 instance.

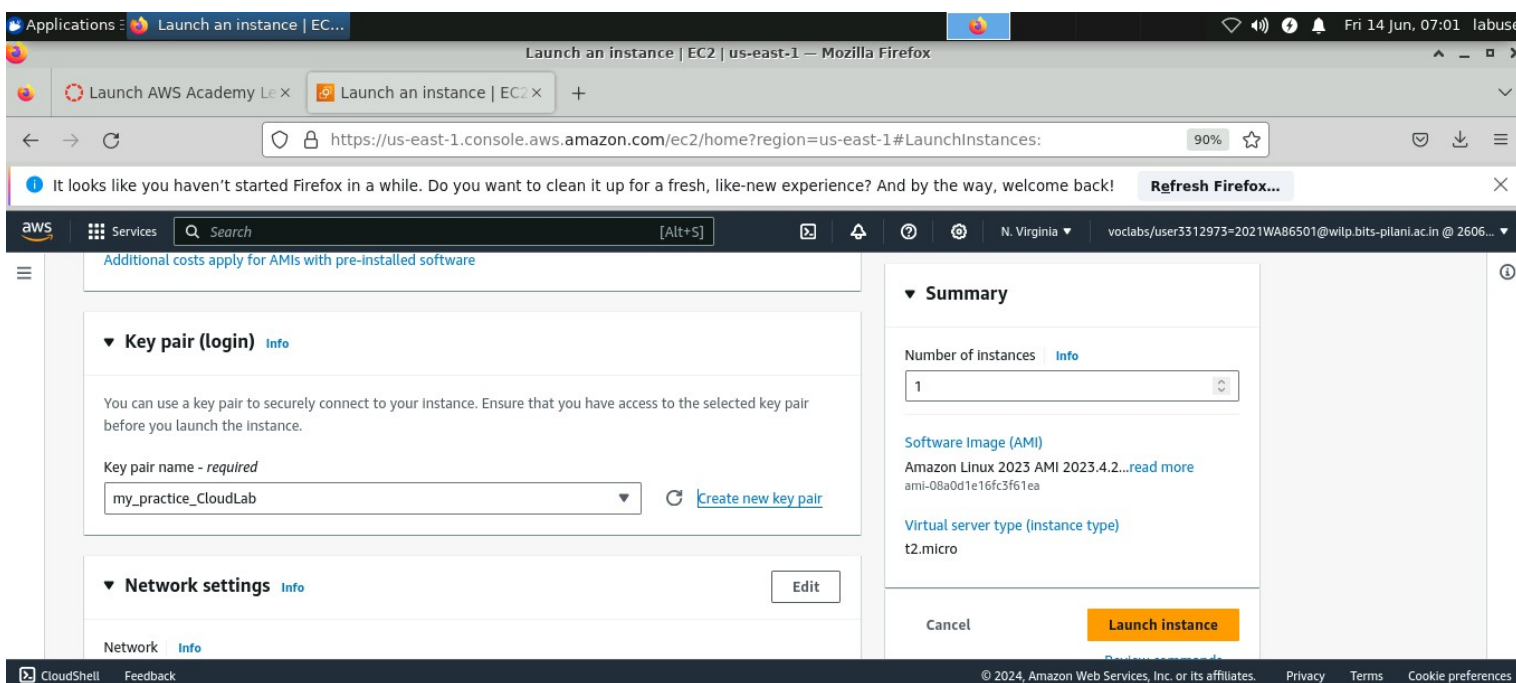**Steps 4:-** Select an Amazon Machine Image (AMI) from the provided list, Here we choose Amazon Linux

Steps 5 :- Choose an Instance type based on workload requirements. Here we choose t2.micro
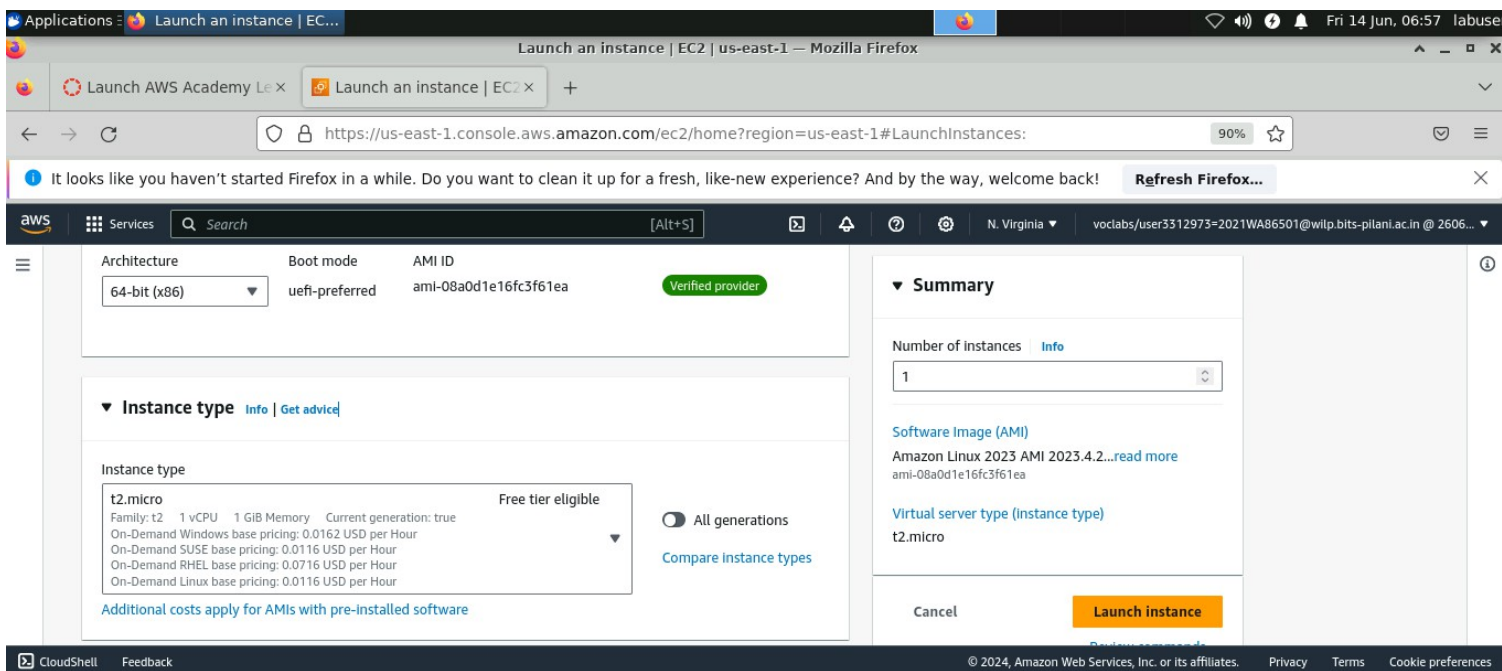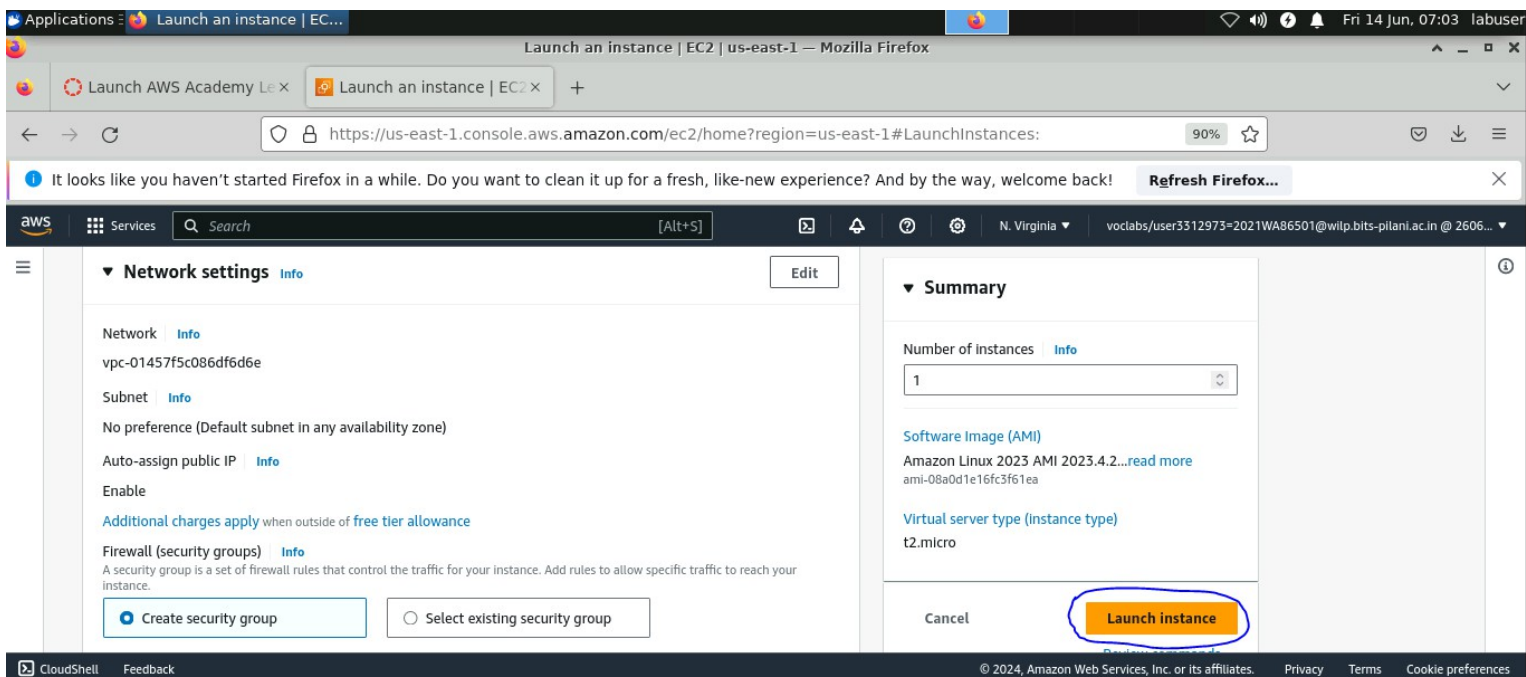

Step 6 :- Choose an existing key pair or create a new one. Here, we create a "Key Pair" in order to connect EC2 Instance from the Host's Terminal.
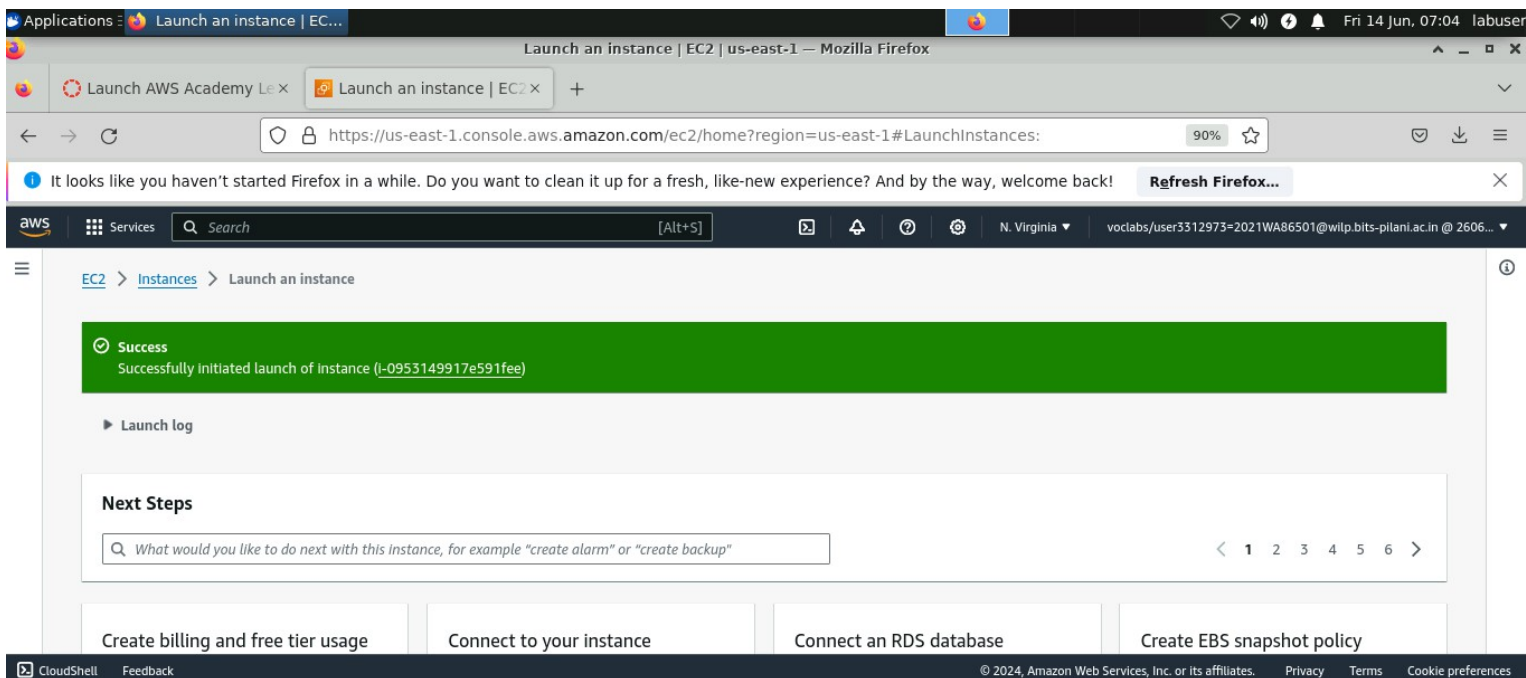
Step 7 :- Review all the configurations of instance, if everythings looks good, click "Launch Instance"

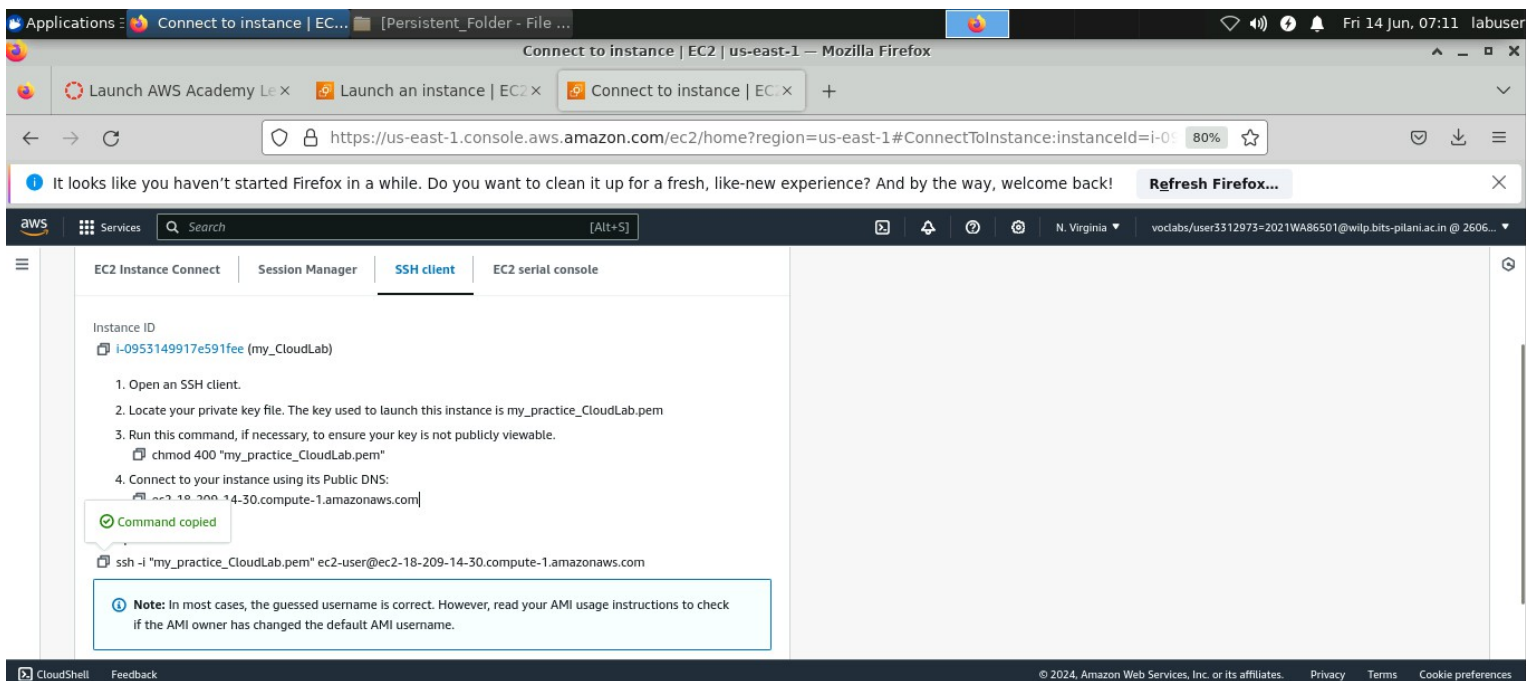**Step 8 :-** After launch instance, we got pop up like below.

Step 9 :- Once the instance is launched and we can see EC2 Instance up and running then click on "Connect" in order to establish a connection to EC2 instance.
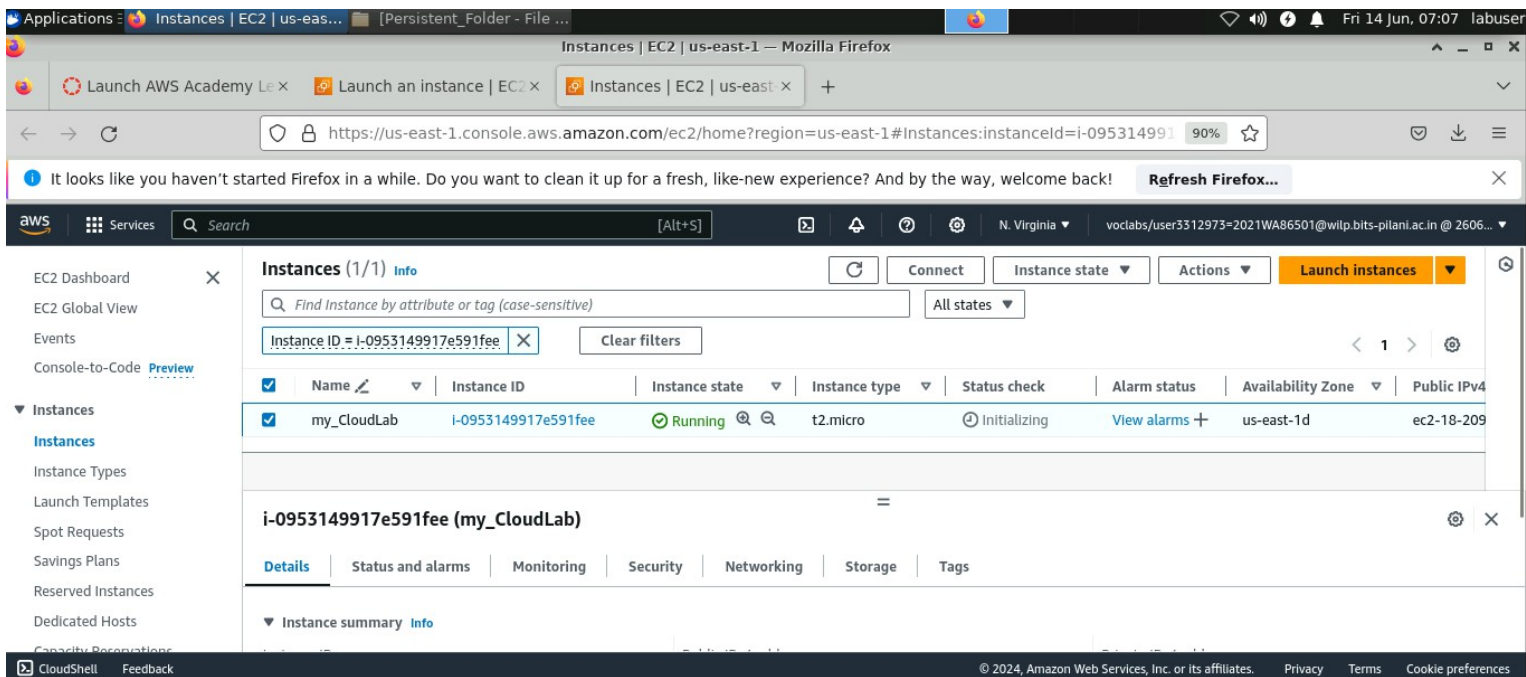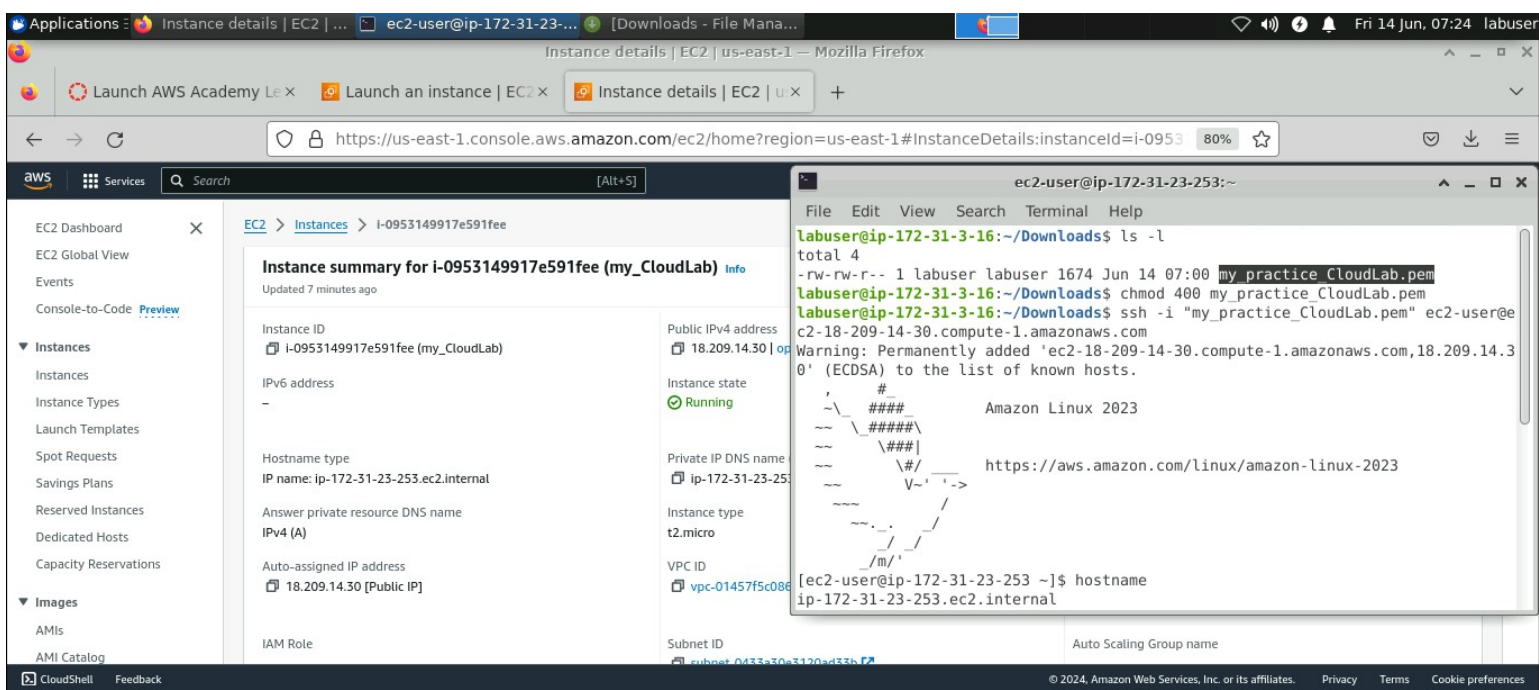

Step 10 :- Now copy SSH Command which will help in order to make connection with EC2 instance from Host Machine.

Step 11 :- Now provide 400 permission to the Key Pair file using chmod and paste the copied SSH Command and press enter.

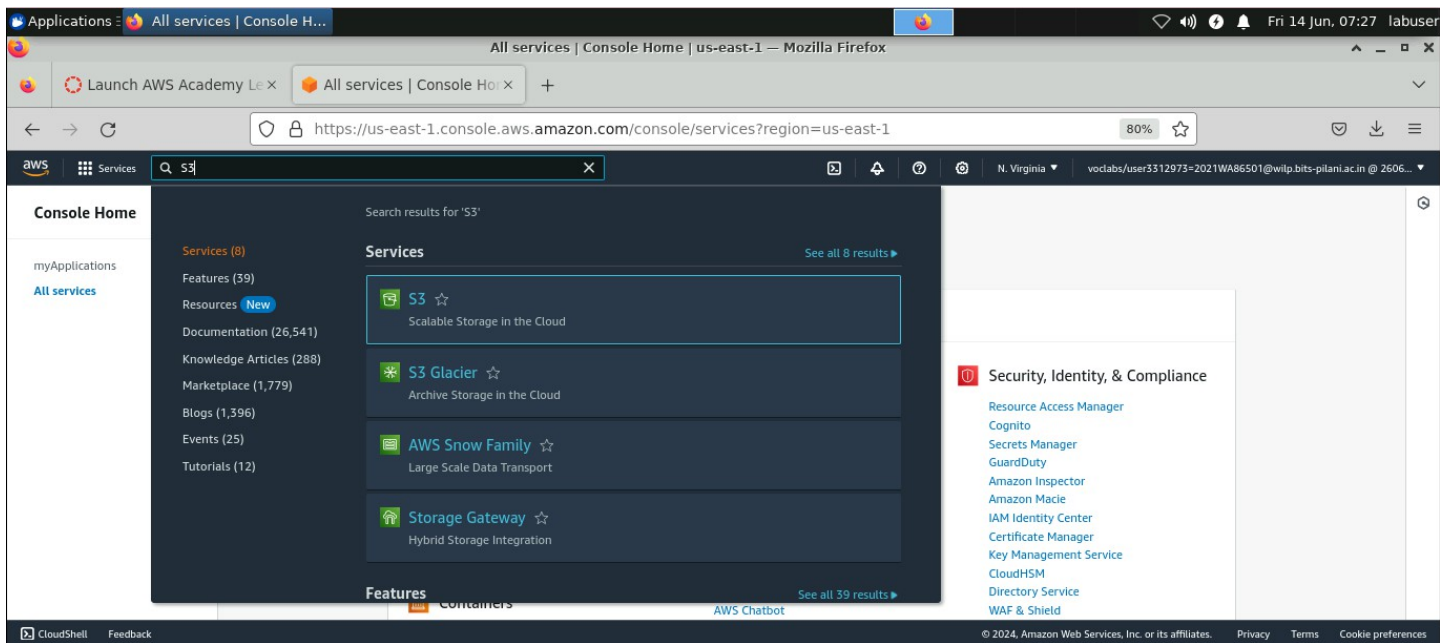After that we can see, EC2 Instance Terminal nside Host's machine terminal.
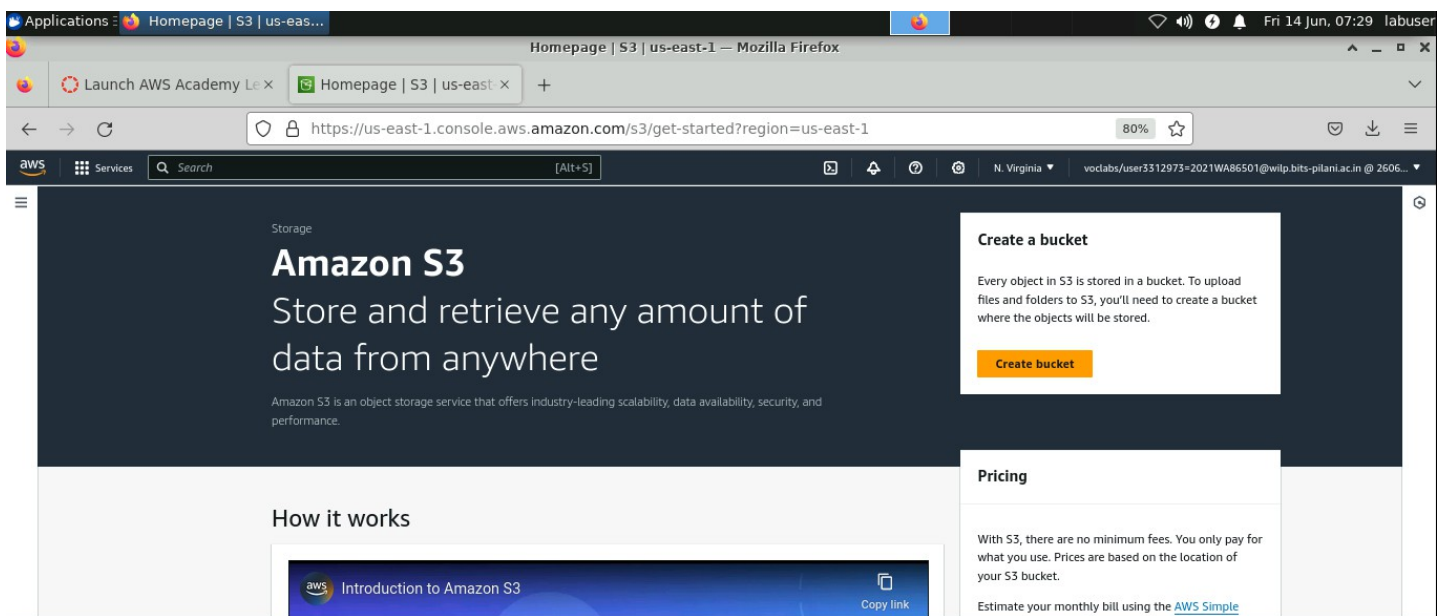
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Task 2 :-

Problem Statement :- **Hosting a static website on Amazon S3.**

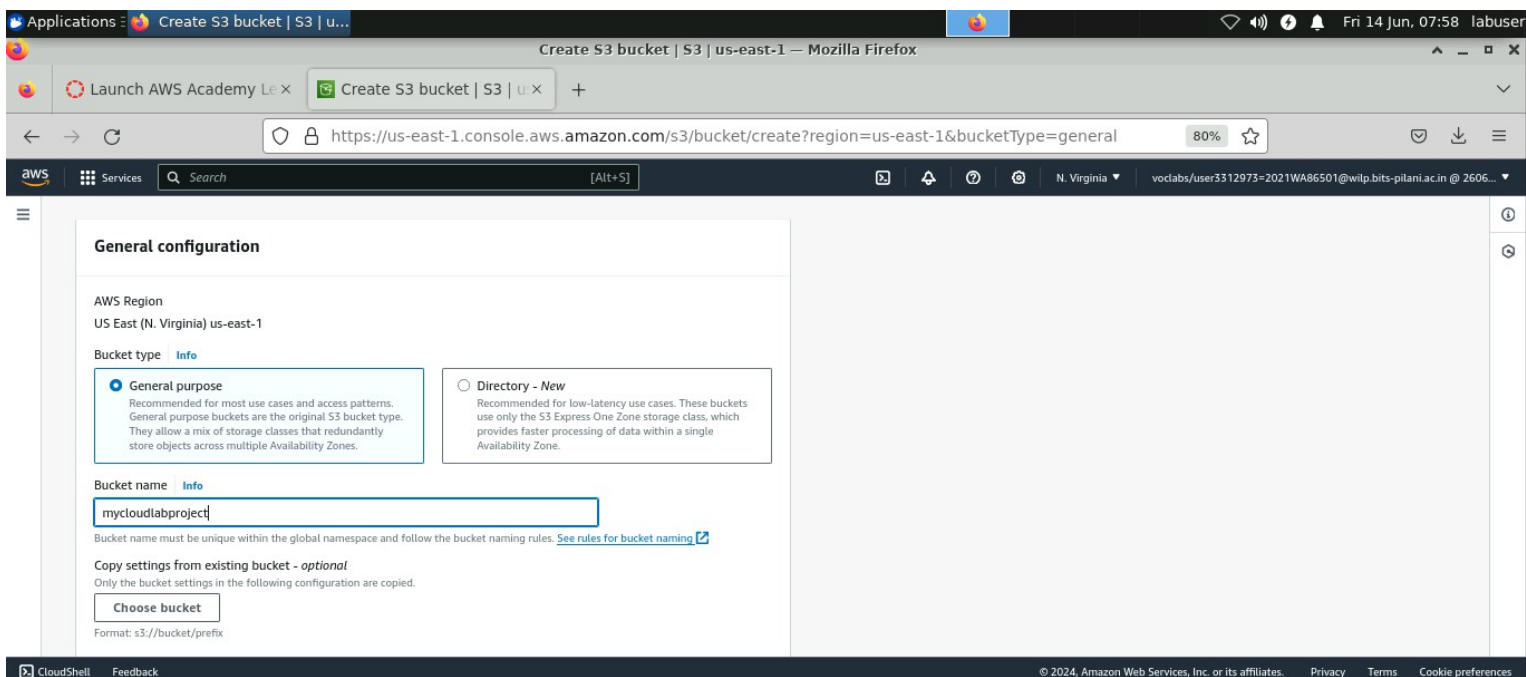**Step 1 :-** Open AWS Management Console > go to S3 > Click on "S3"
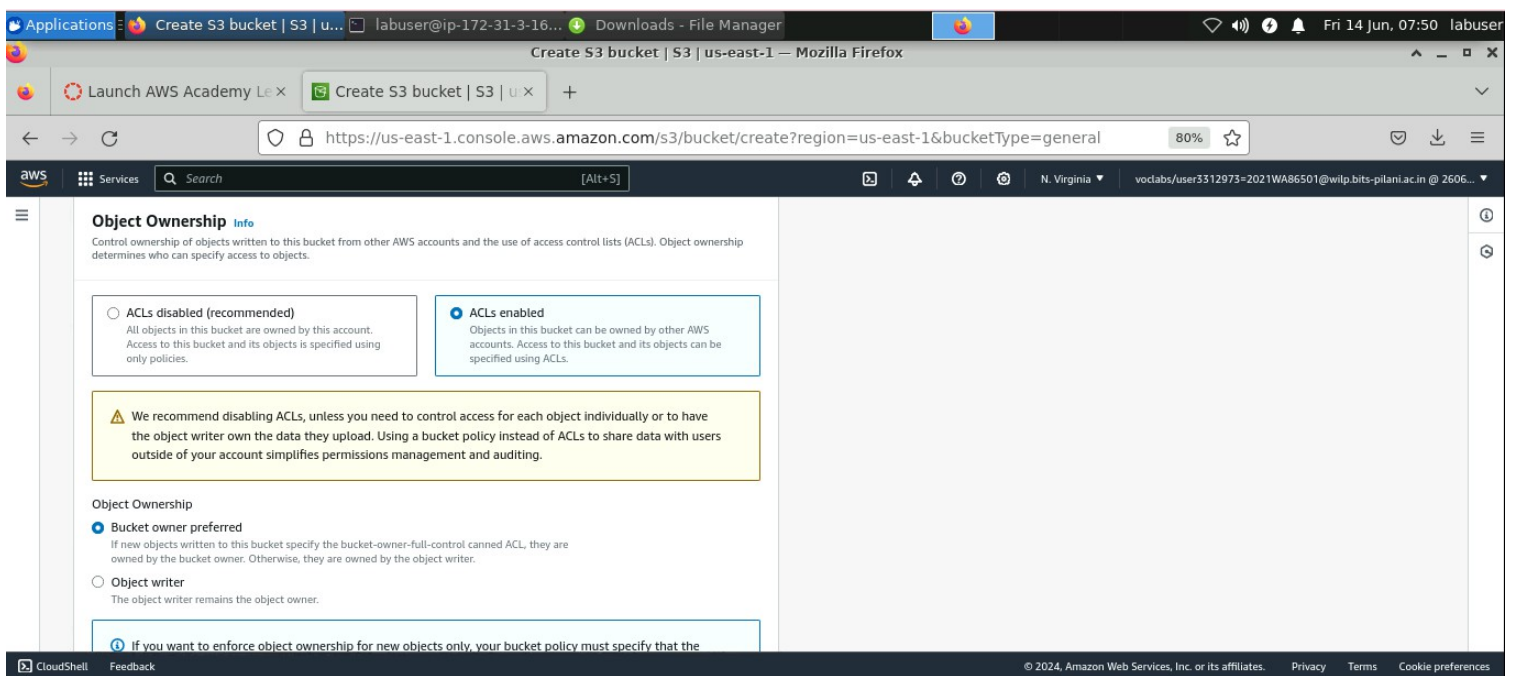

Step 2 :- Now, click on "Create Bucket".

Step 3:- Now, provide the name of the bucket and select Bucket Type "General Purpose".

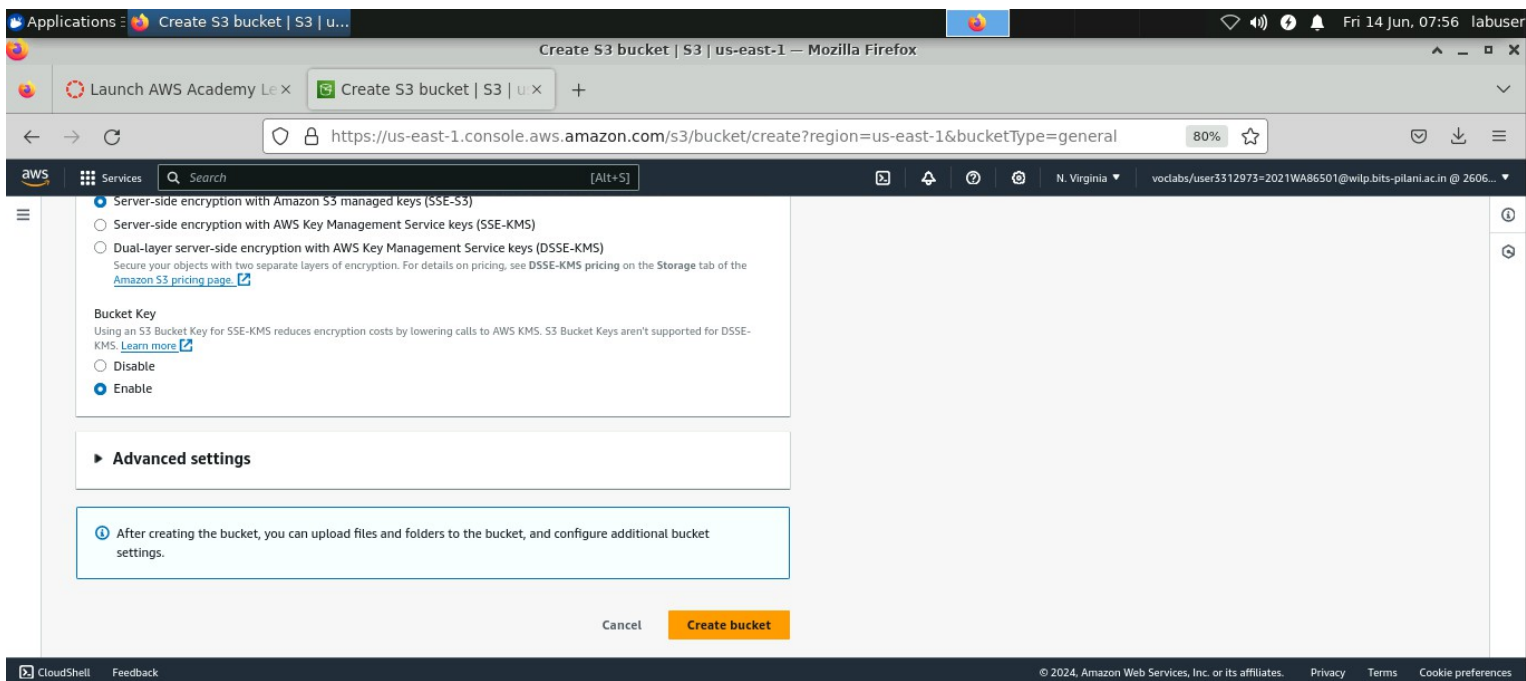**Step 4 :-** Select "ACLs enabled" in order to manage access to Amazon S3 buckets and objects.

Step 5 :- Now uncheck the "Block all public access" in order to access the S3 Bucket Content Publically.
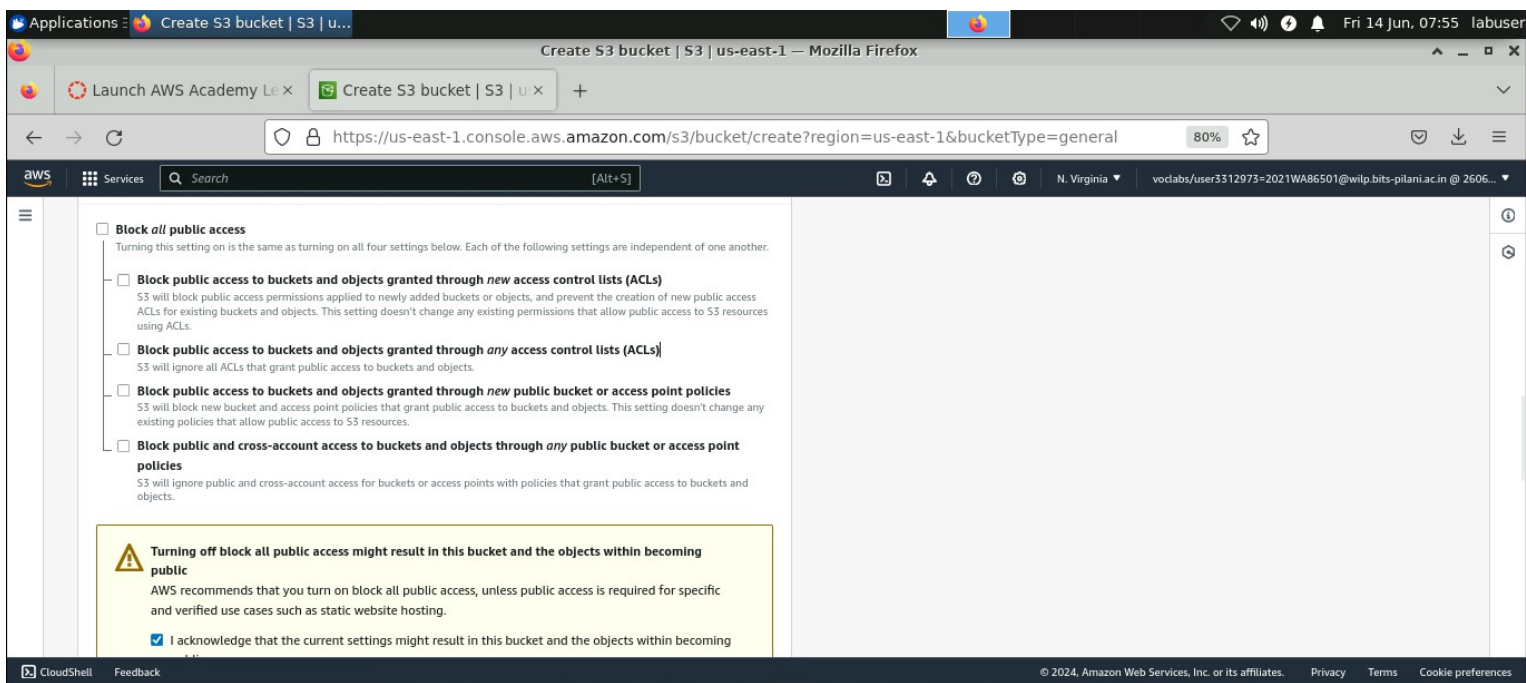
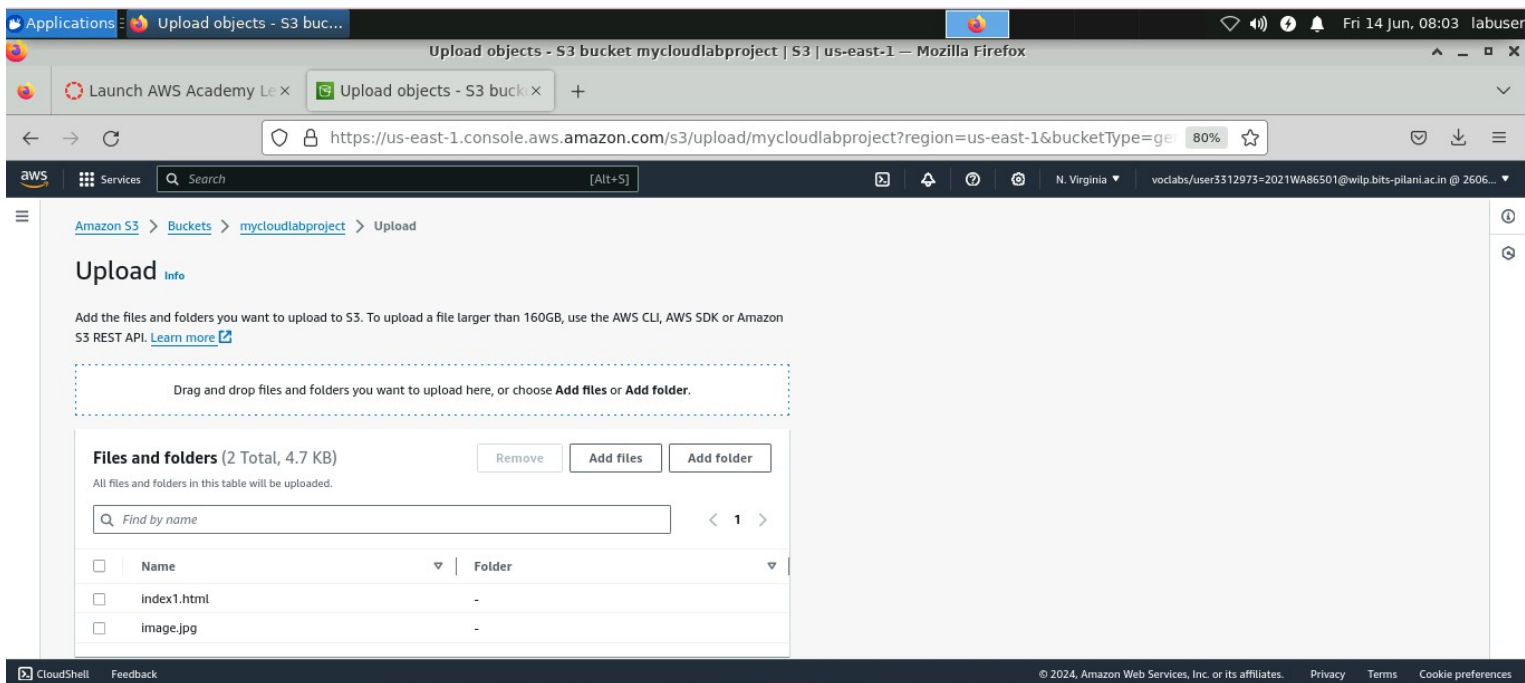**Step 6 :-** Now click on "Create bucket" button.

Step 7 :- Once S3 Bucket created, we got popup like below:
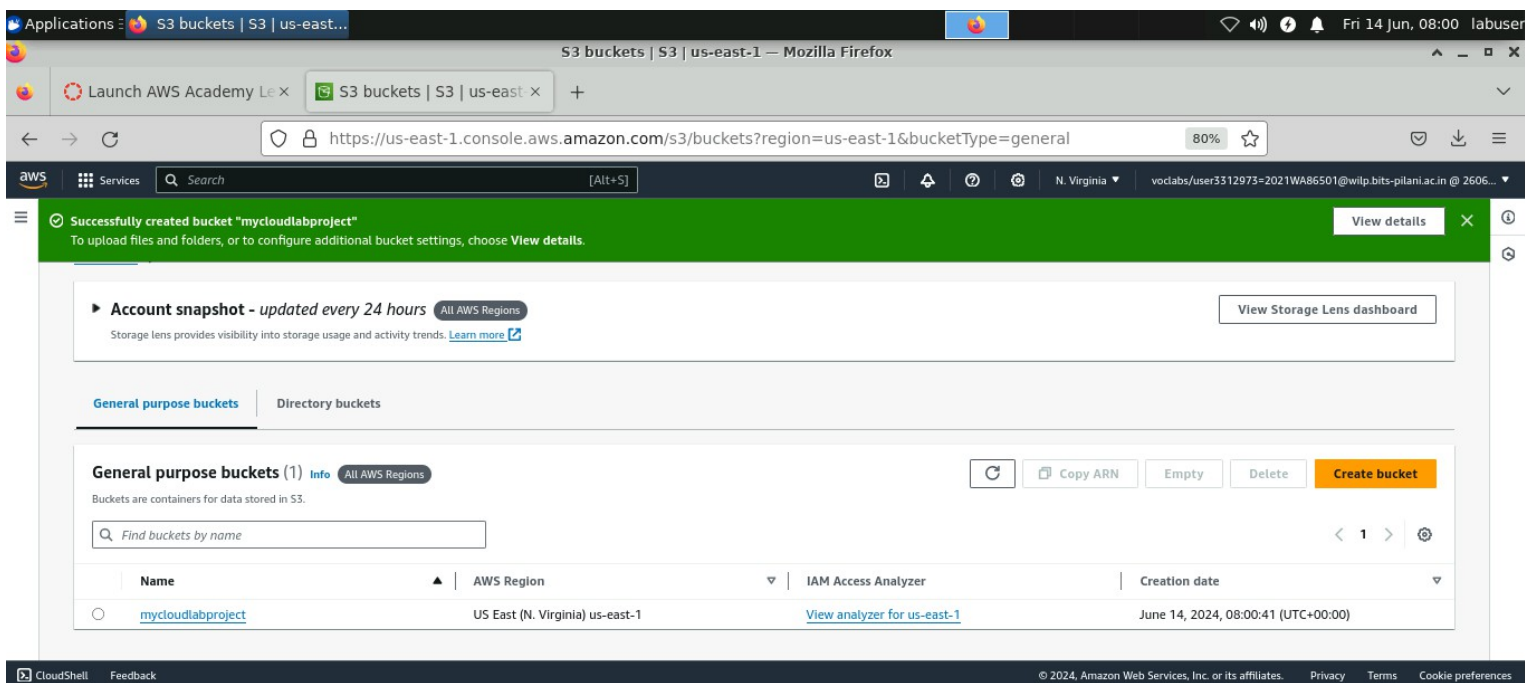
Step 8 :- Now, upload the HTML file inside the bucket.

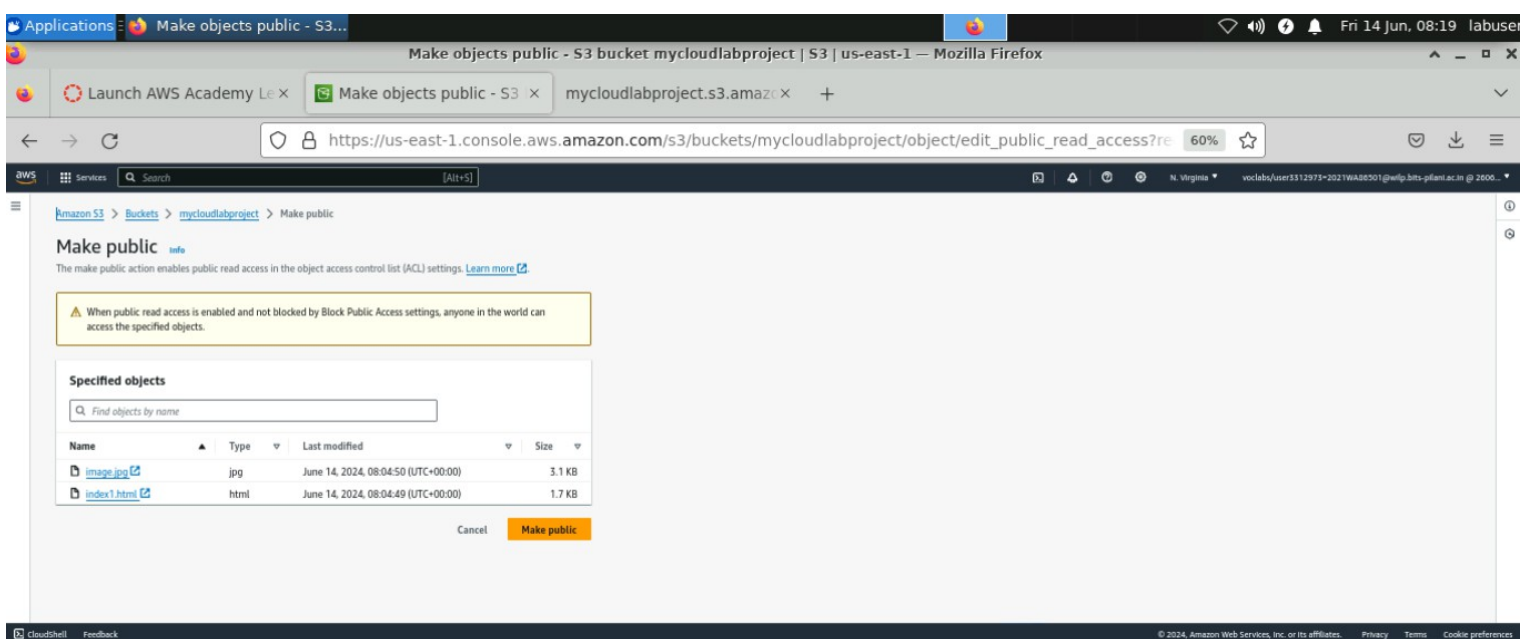**Step 9 :-** After Upload the HTML page, S3 bucket dashboard should be looks like below.
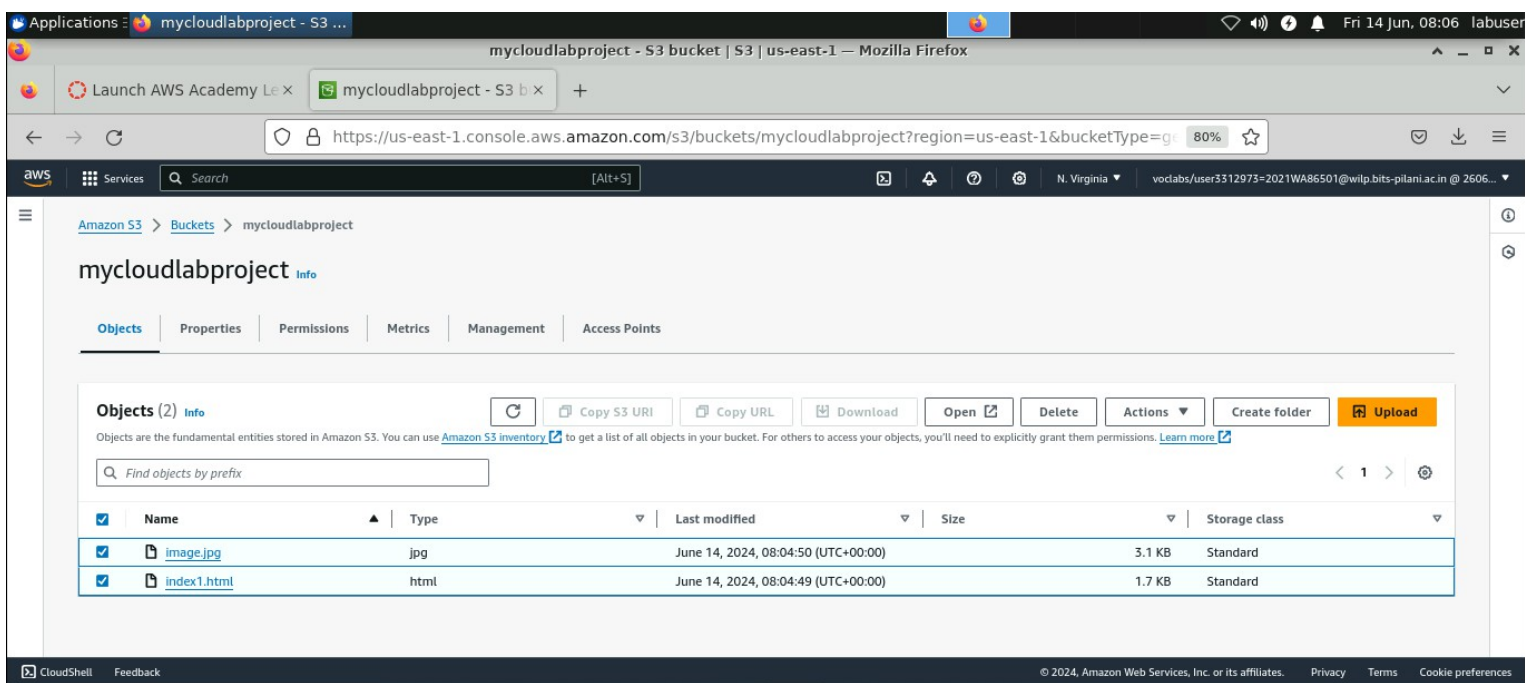
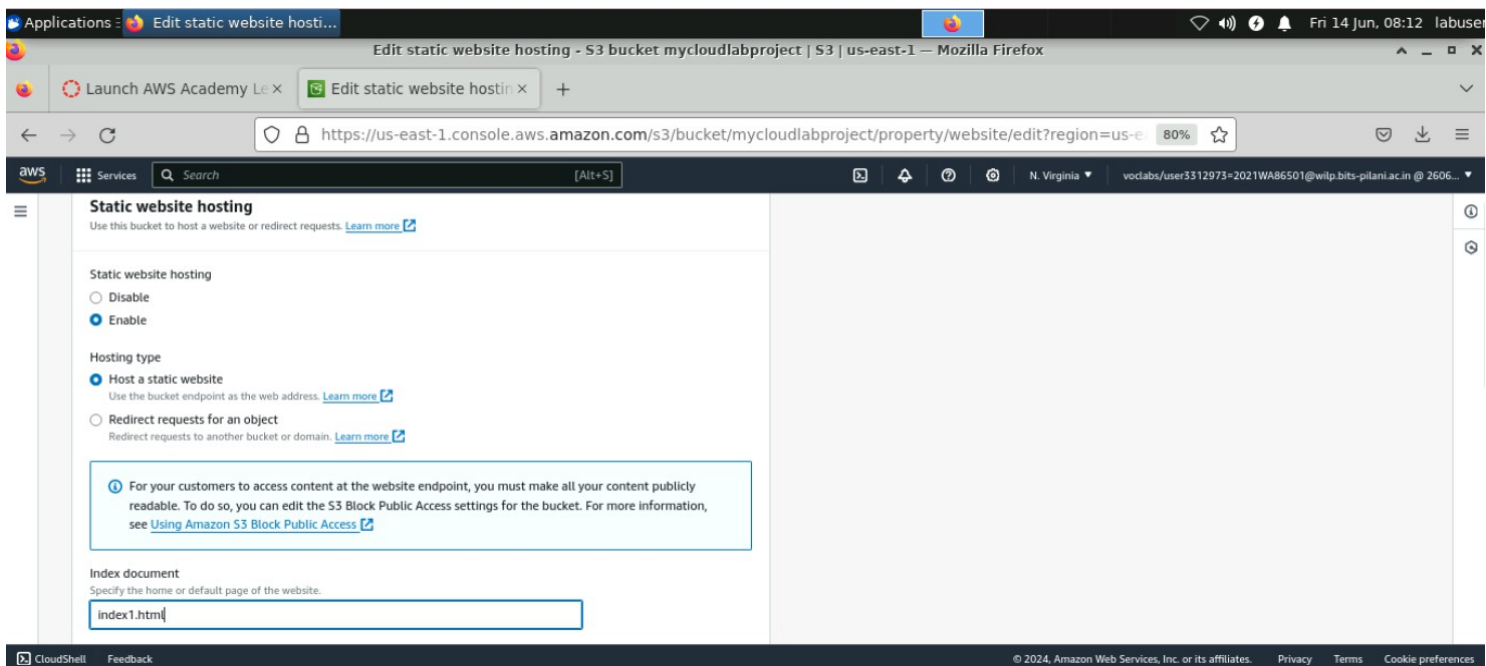**Step 10 :-** Now, to set permission, select the uploaded files > Click on "Actions" > "Make public" to ensure they are accesible.
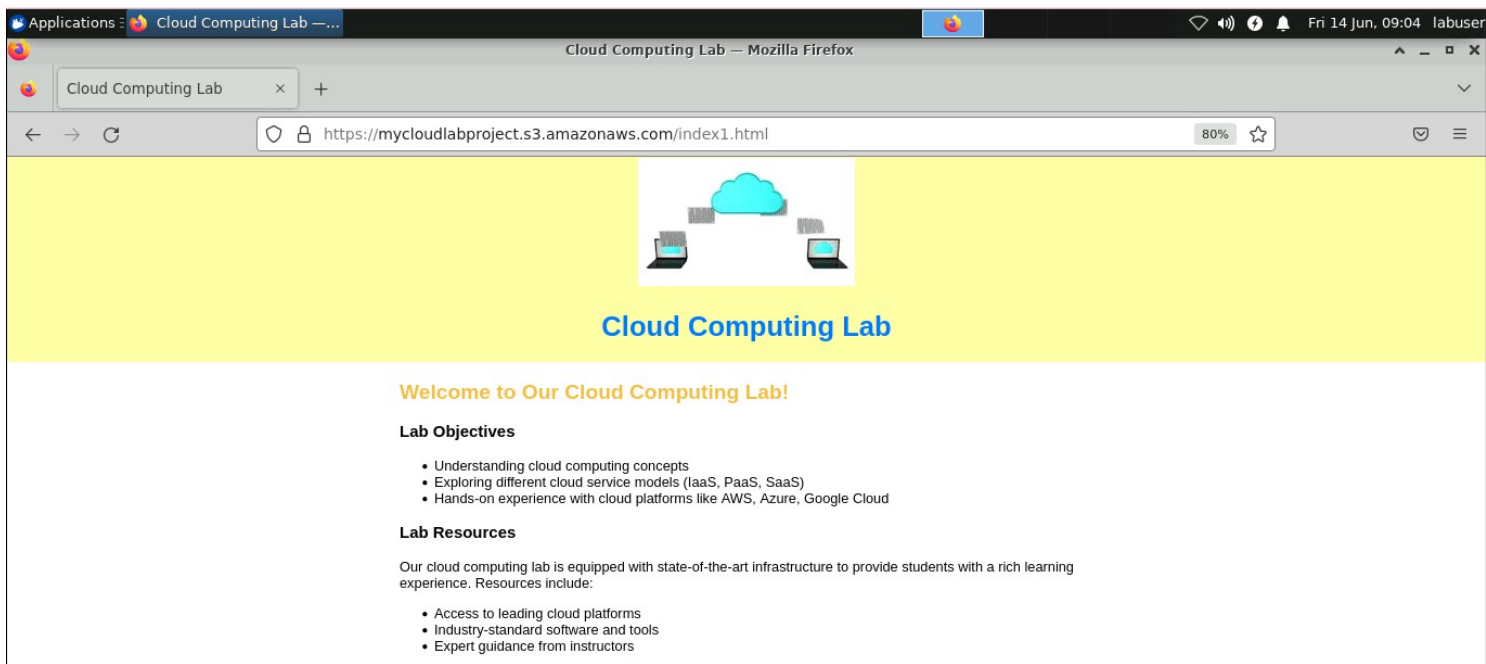
Step 11 :- Enable the "Static website hosting" to allow us to host a website with static content (like HTML, CSS, JavaScript, images) directly from S3 bucket.

Step 12 :- Now, use the "Object URL" and open the url in a browser to view hosted static HTML page.

Website output is showing below :

Webpage url : https://mycloudlabproject.s3.amazonaws.com/index1.html