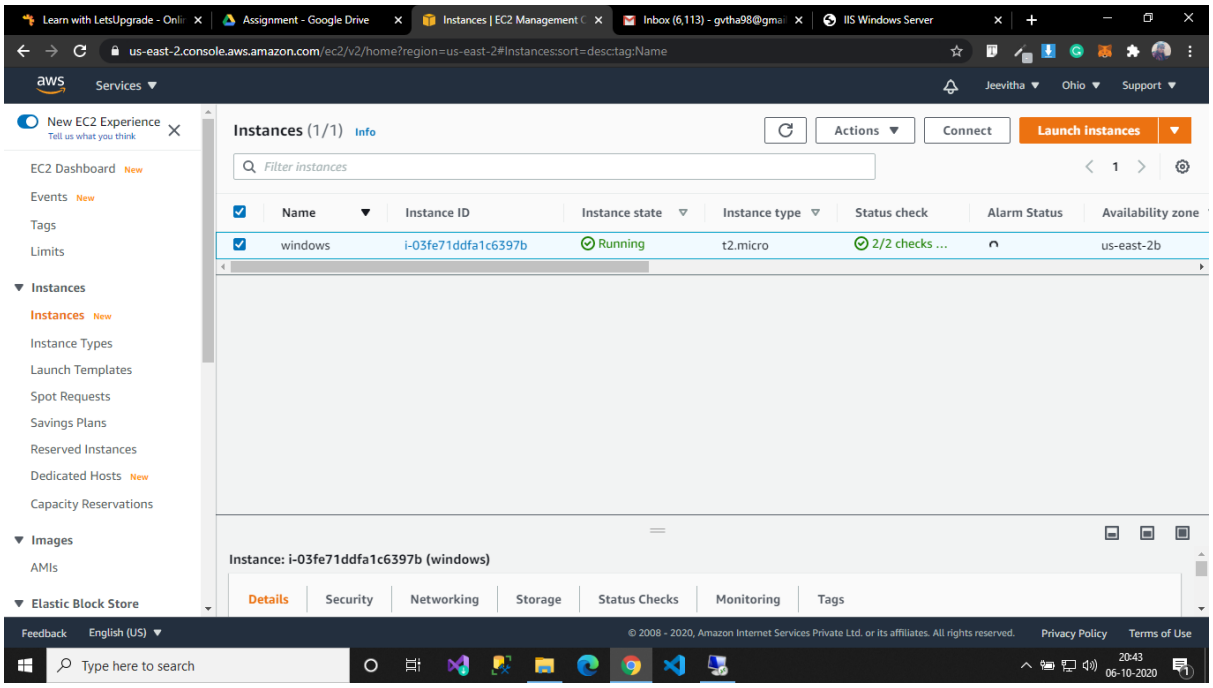
Name: JEEVITHA R EMAIL: gvtha98@gmail.com

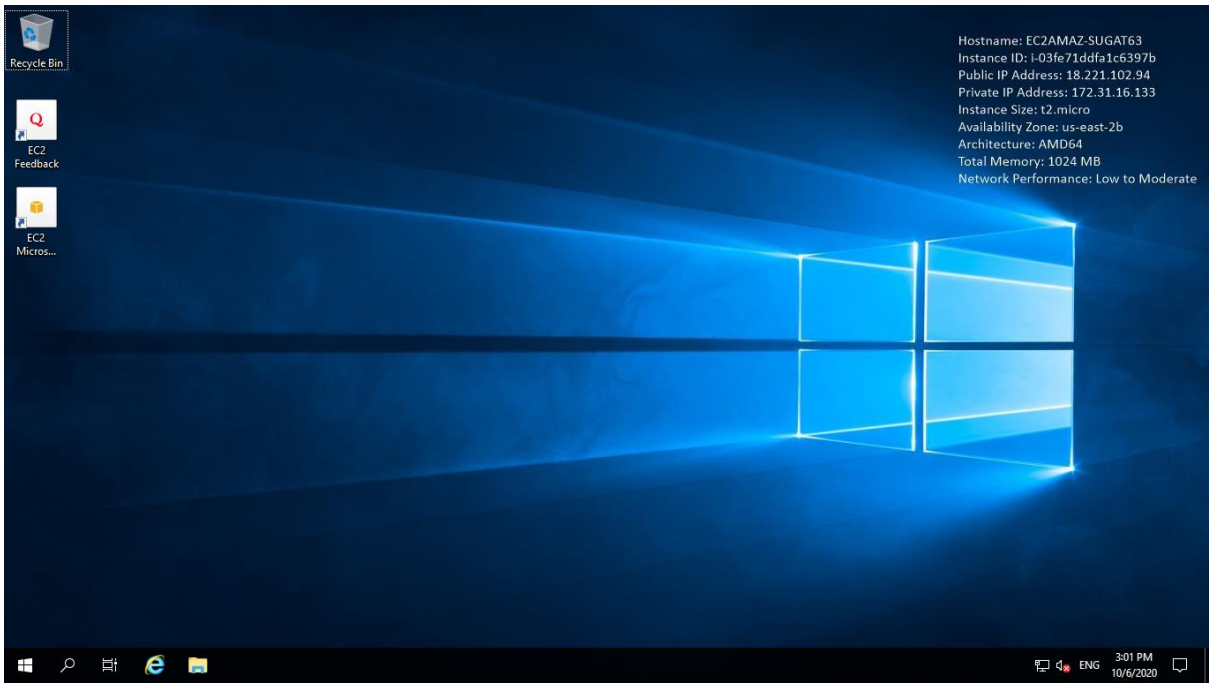
Day 3& 4 ASSIGNMENT

PROJECT 1: Deploying a web server in Windows instance

Task 1:Create a windows instance using AMI: Windows 2019 R2 base



Task 2:Launch the Windows instance using RDP

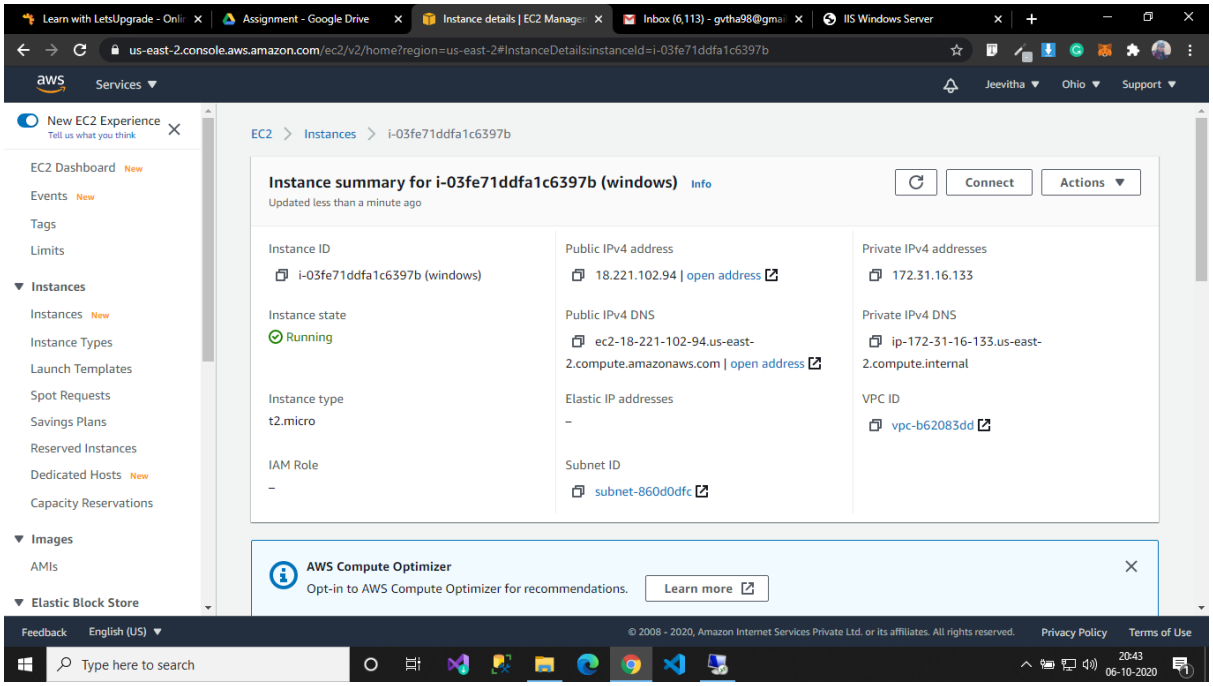


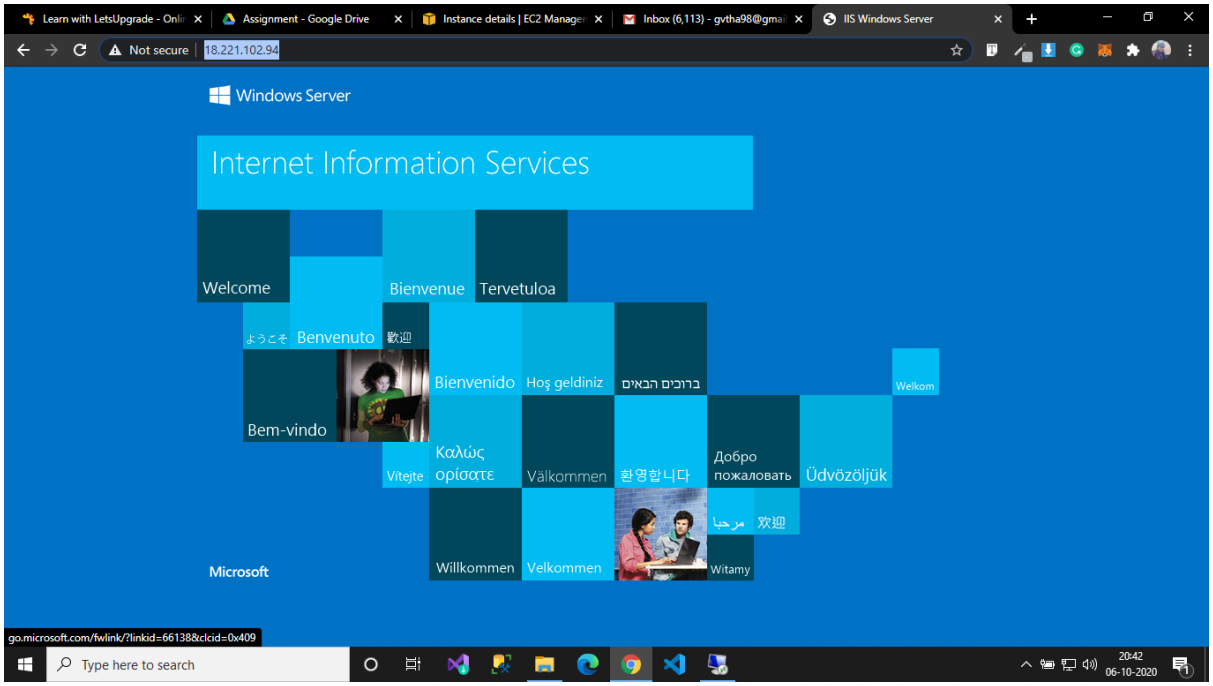
Task 3:Go to windows powershell and write a command as

Install-WindowsFeature -name Web-Server –IncludeManagementTools

for **IIS Web Server.**

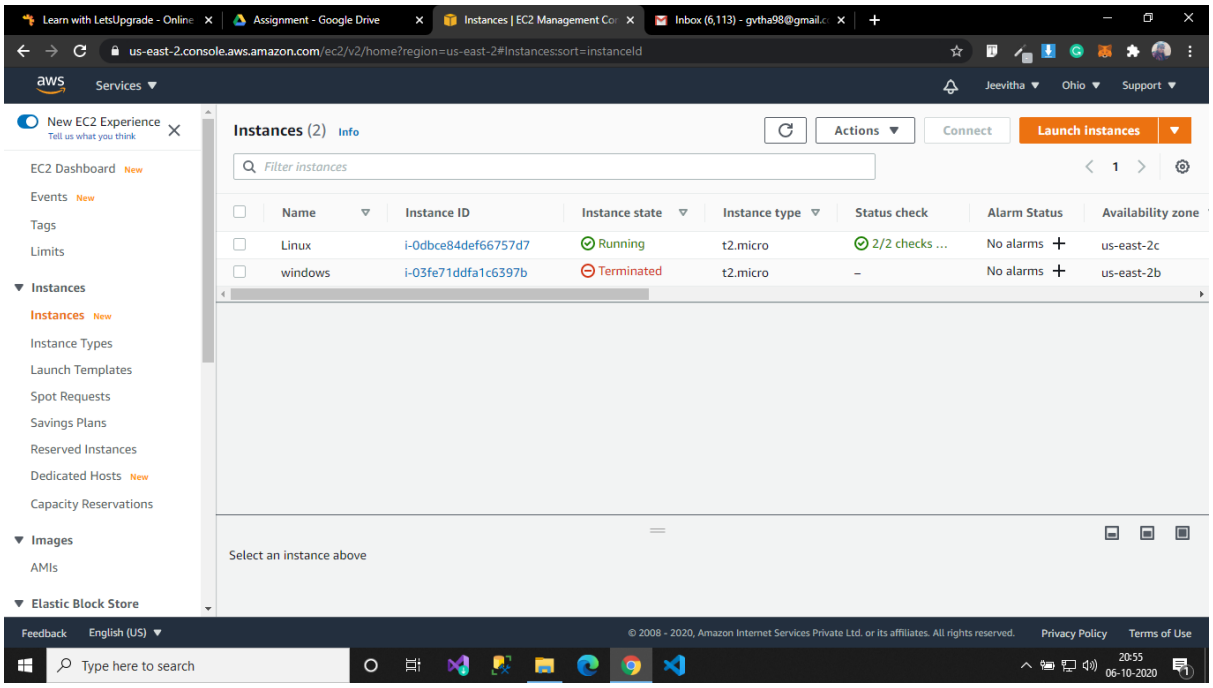
Task 4:Once installation is completed, Copy the public ipv4 address paste it in the browser.



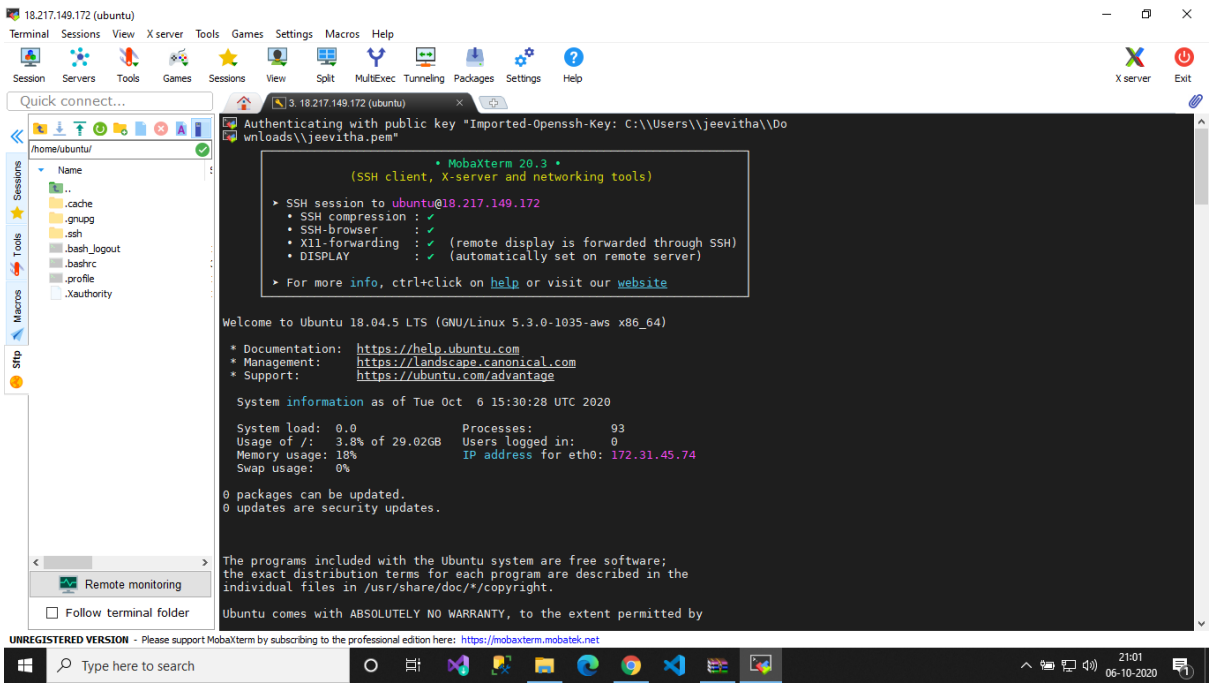


PROJECT 2: Deploying a web server in Linux instance

Task 1:Create a windows instance using AMI: Ubuntu Server 18.04 LTS (HVM)



Task 2:Launch the Ubuntu instance using SSH

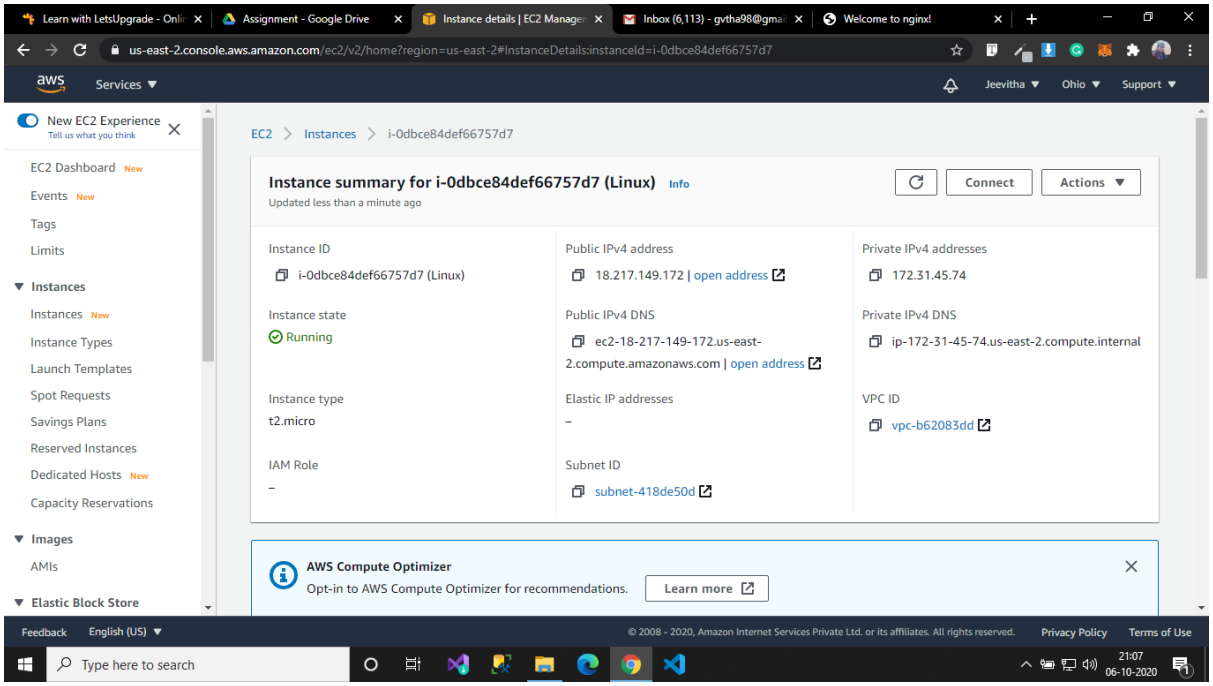


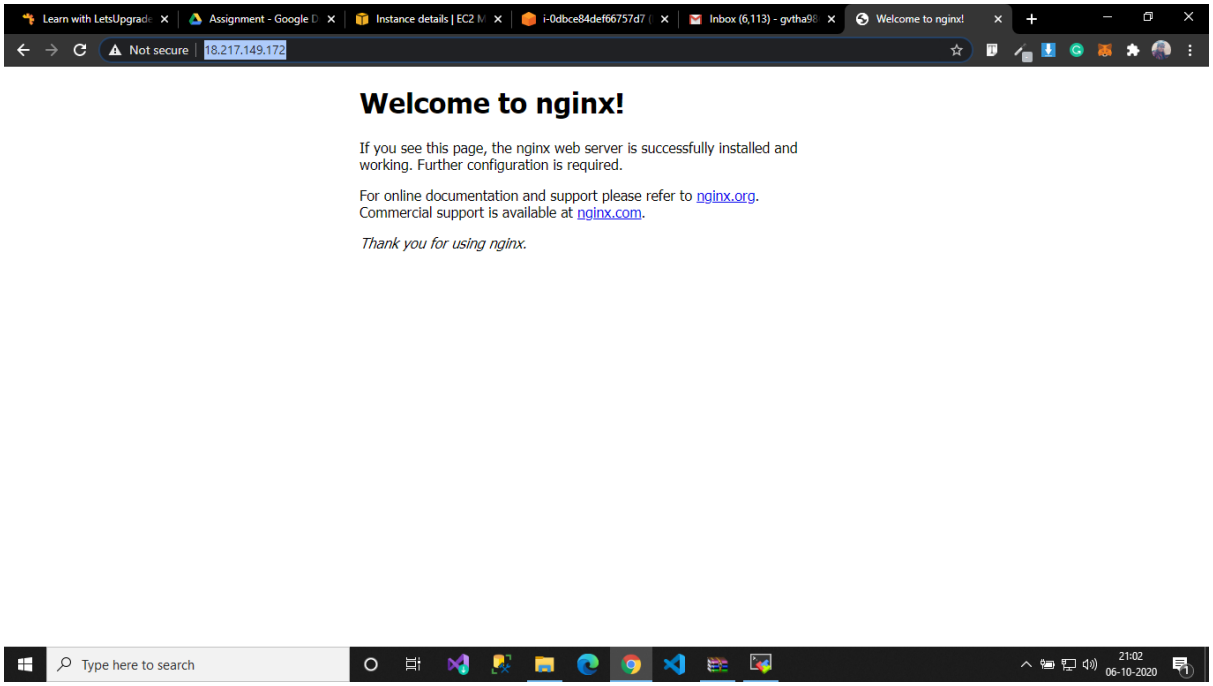
Task 3:Install **Nginx web server** using bash

sudo apt-get -y update

sudo apt-get -y install nginx

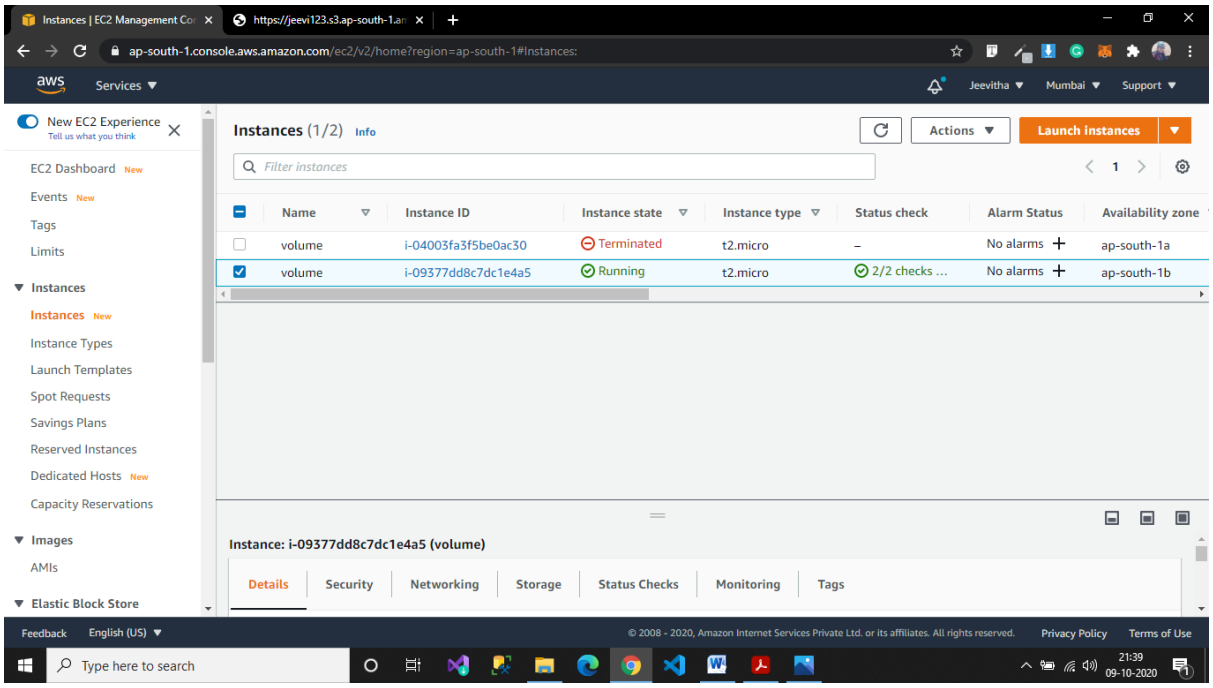
Task 4:Once installation is completed, Copy the public ipv4 address paste it in the browser.



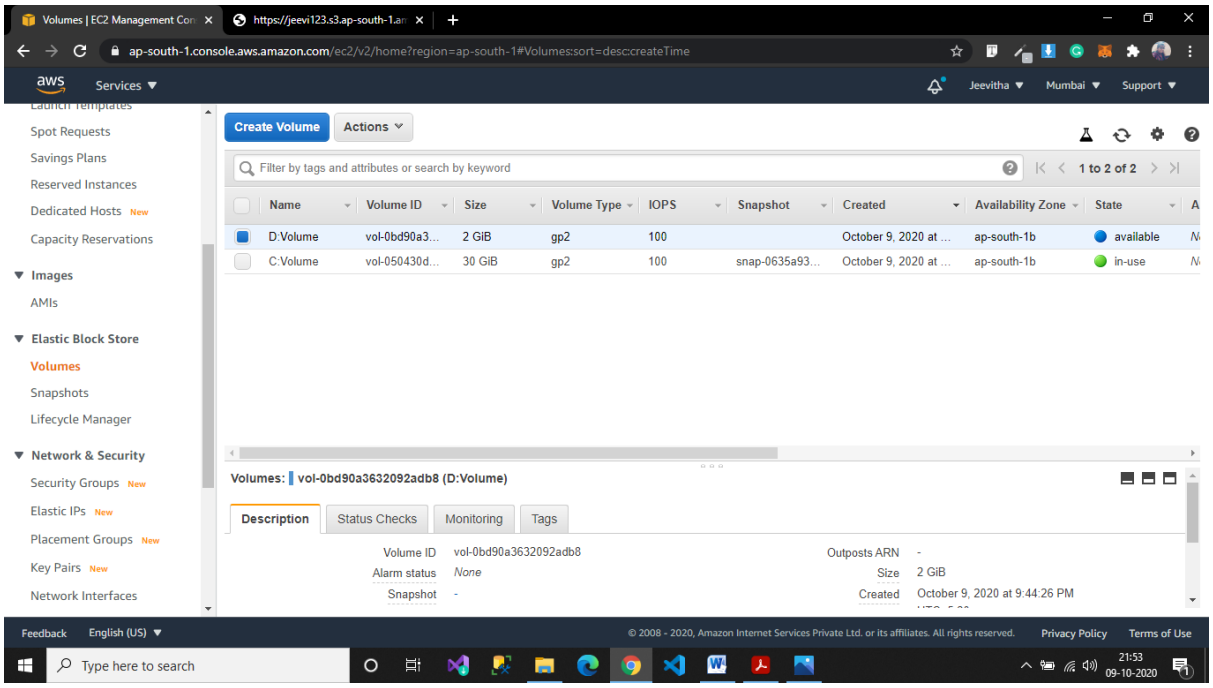


PROJECT 3: Working with volumes

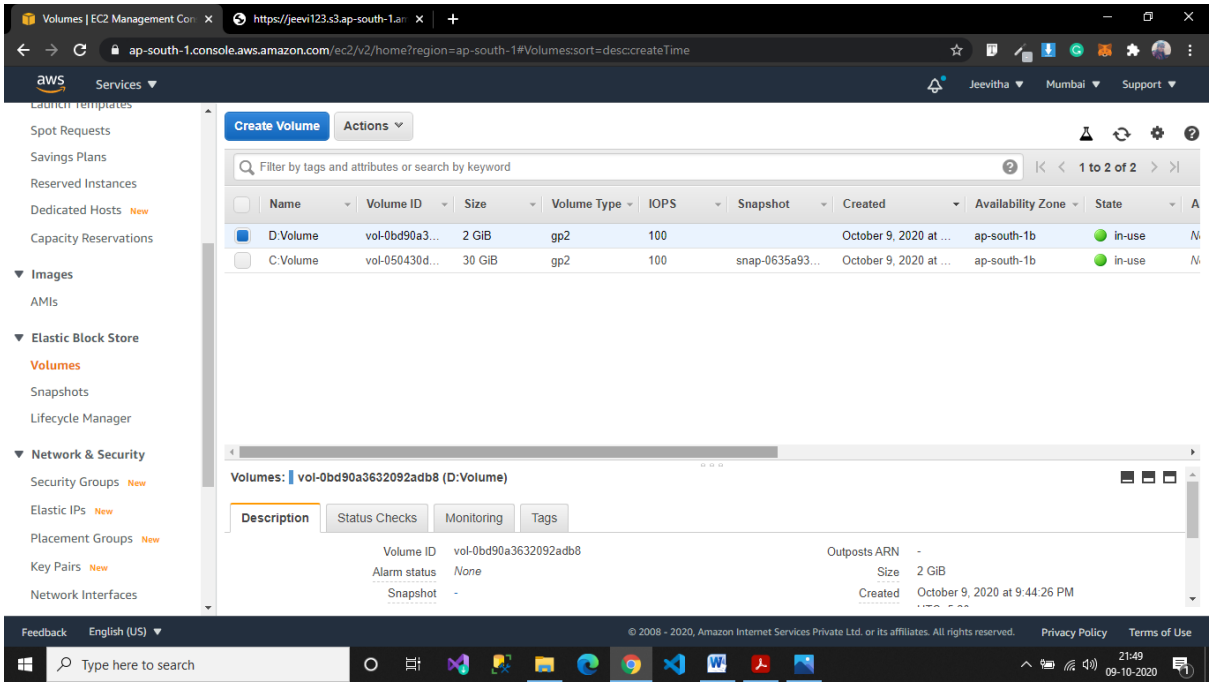
Step 1:Create a windows machine



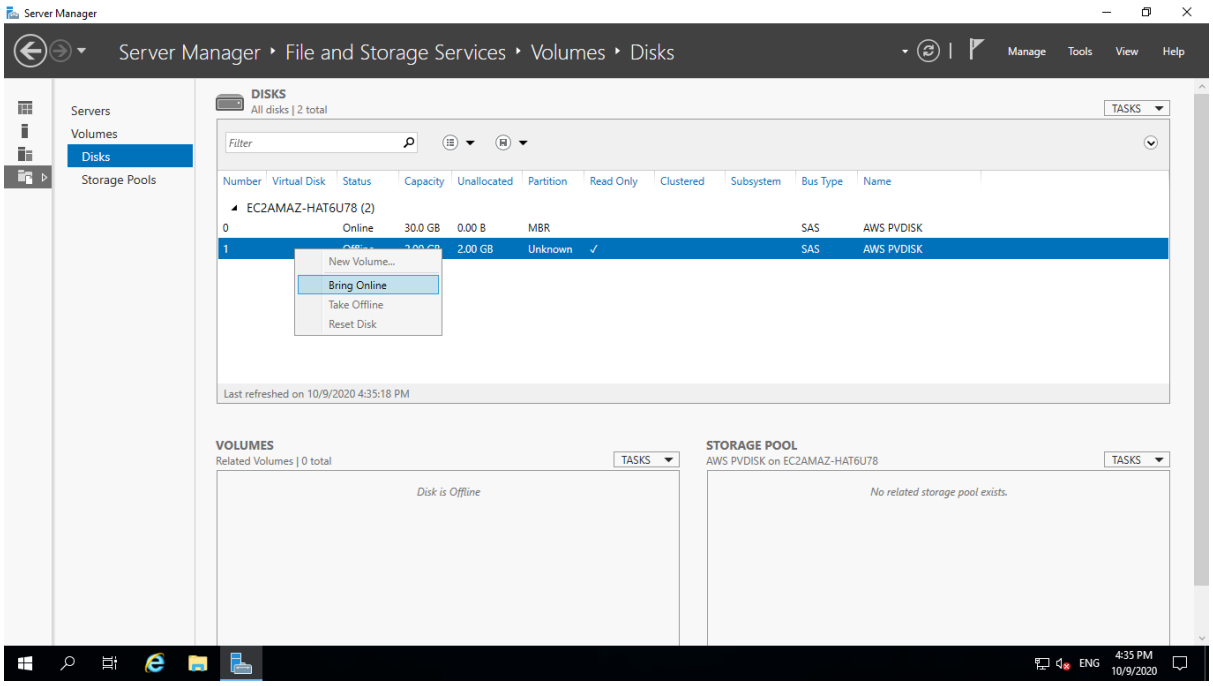
Step 2:Create a volume in the same region as the windows machine



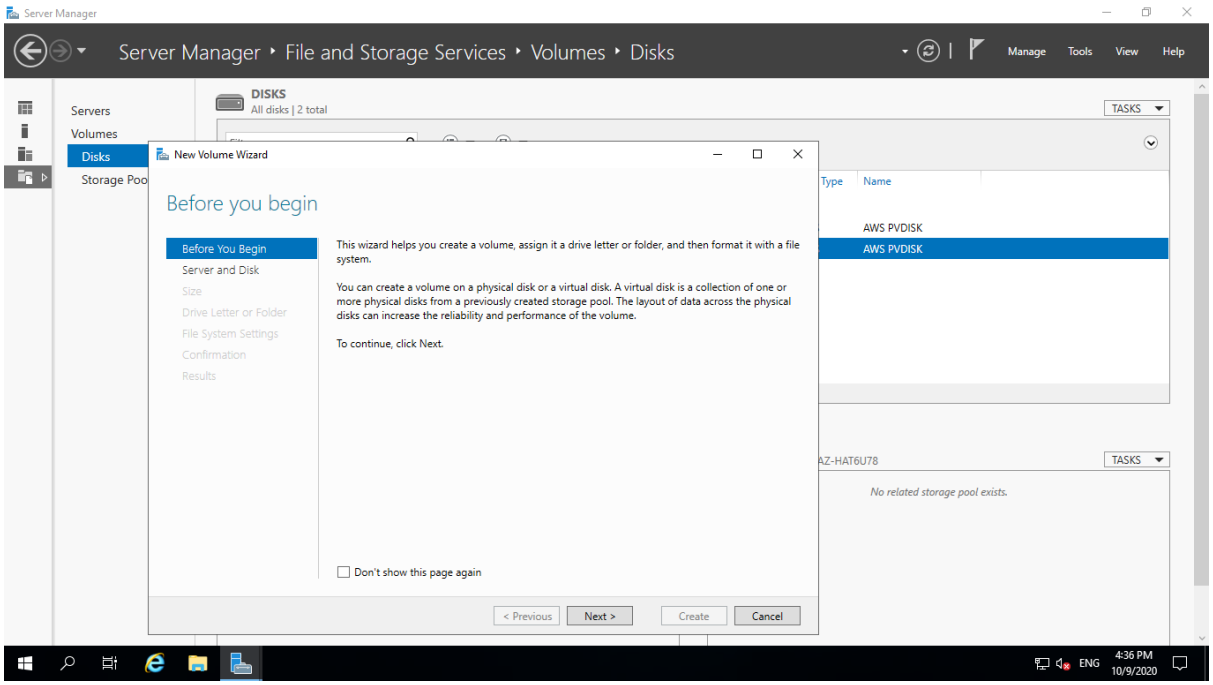
Step 3:Attach the volume to the windows machine



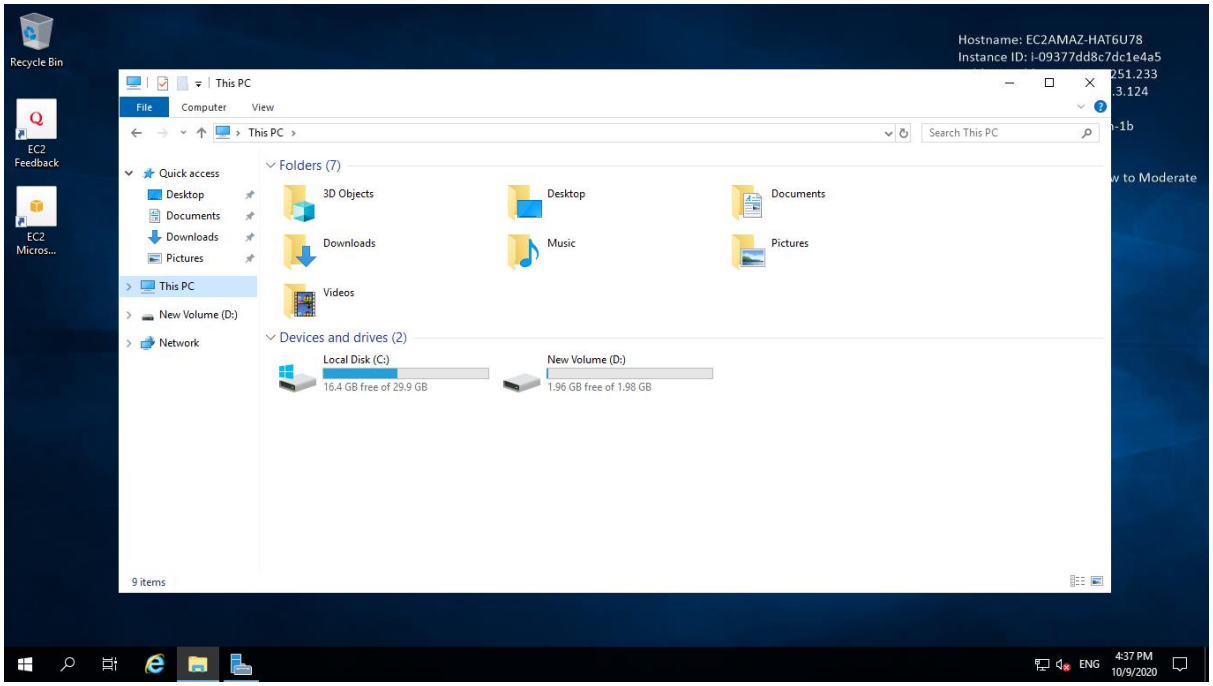
Step 4:From server manager bring the volume online



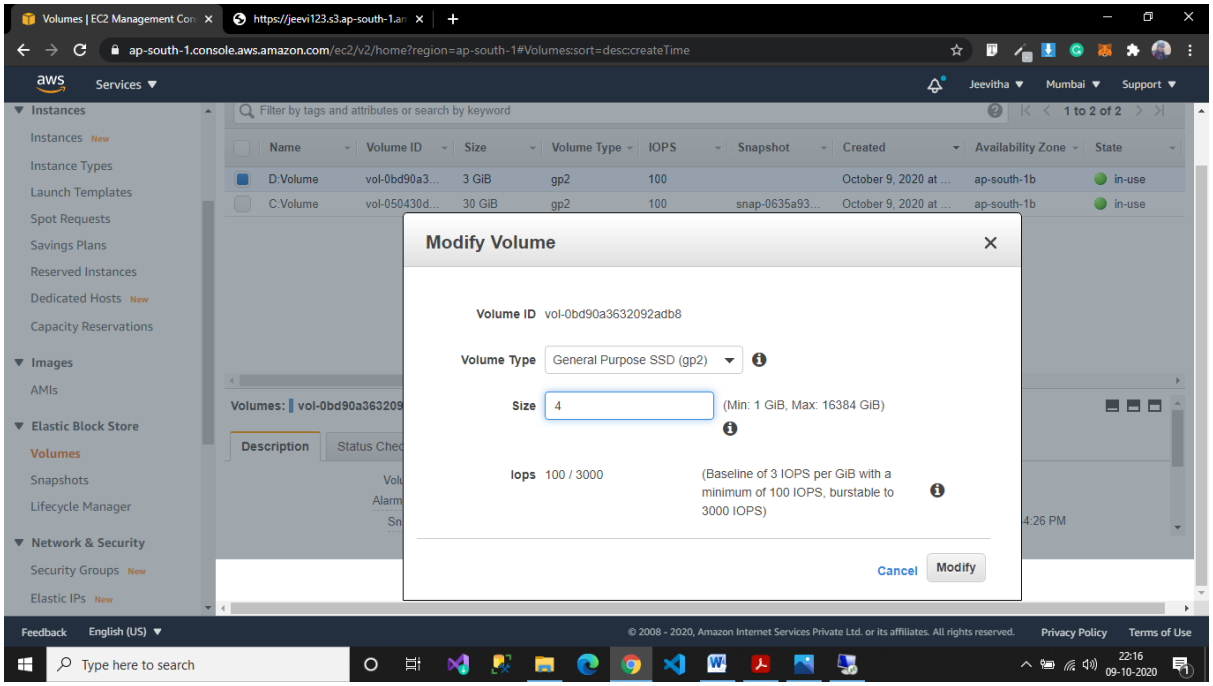
Step 5:Once the ebs is online create a new volume

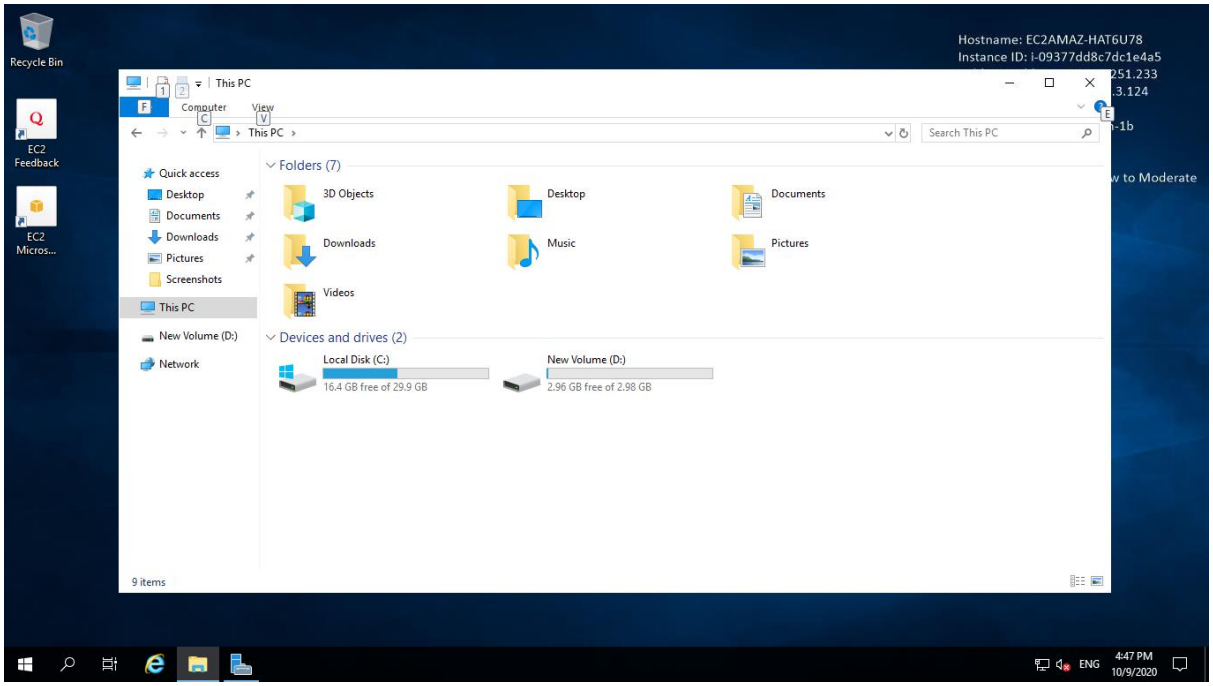


Step 6:Check if the volume is mounted successfully

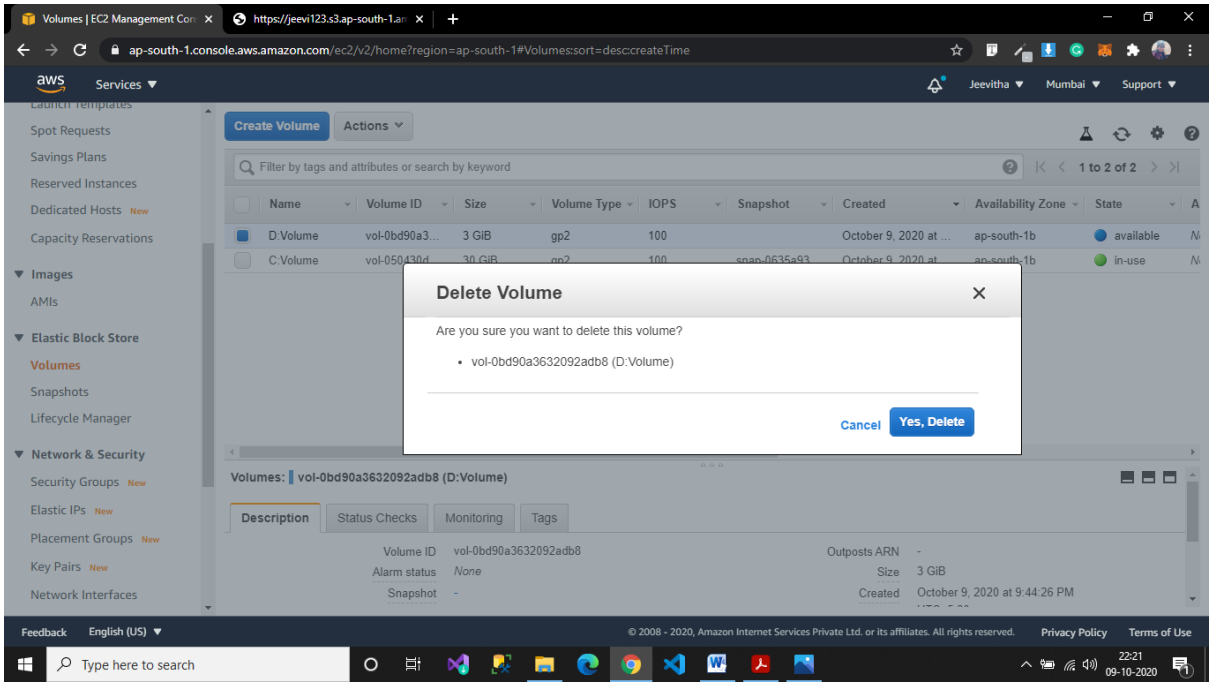


Step 7:Try modifying the volume config



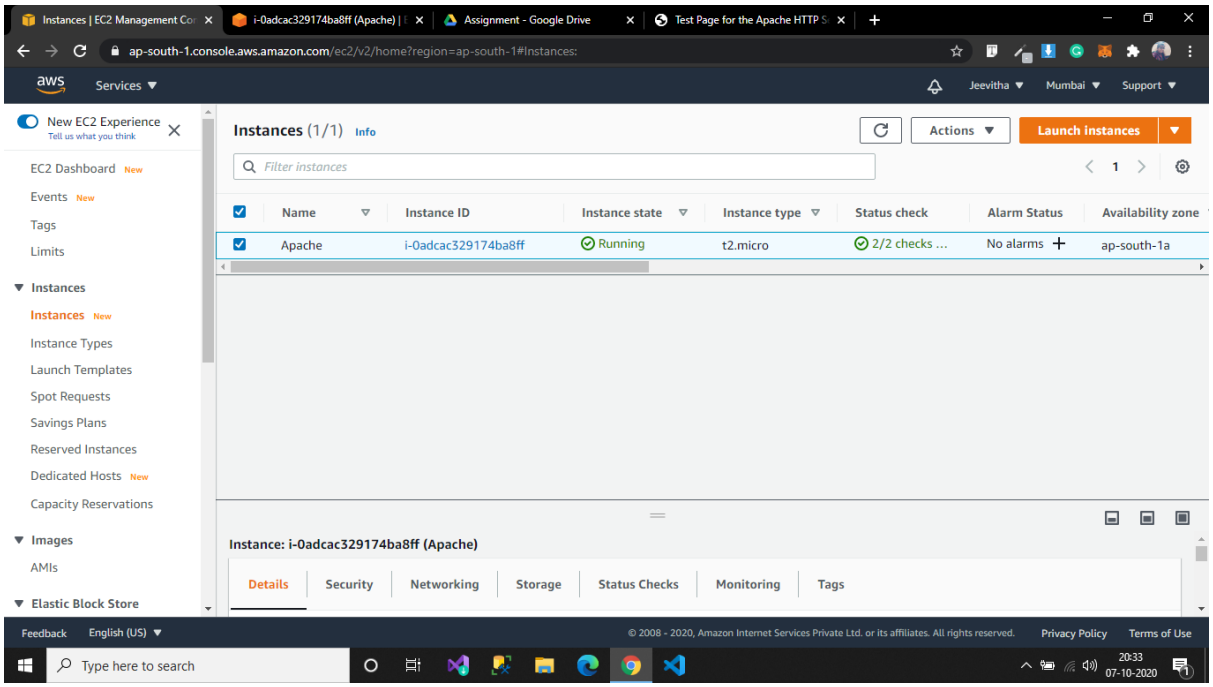


Step 8:Delete the volume



PROJECT 4: Working with Elastic IP's

Step1:Create a Linux instance



Step2: Install an Apache Server

Switch to the root user

sudo -s

Step3: Now run the updates using the following command:

yum -y update

Step4: Once completed, let’s install and run an apache server

Step5: Install the Apache webserver:

yum install httpd

When prompted, press "Y" to confirm.

Step6: Start the webserver

systemctl start httpd

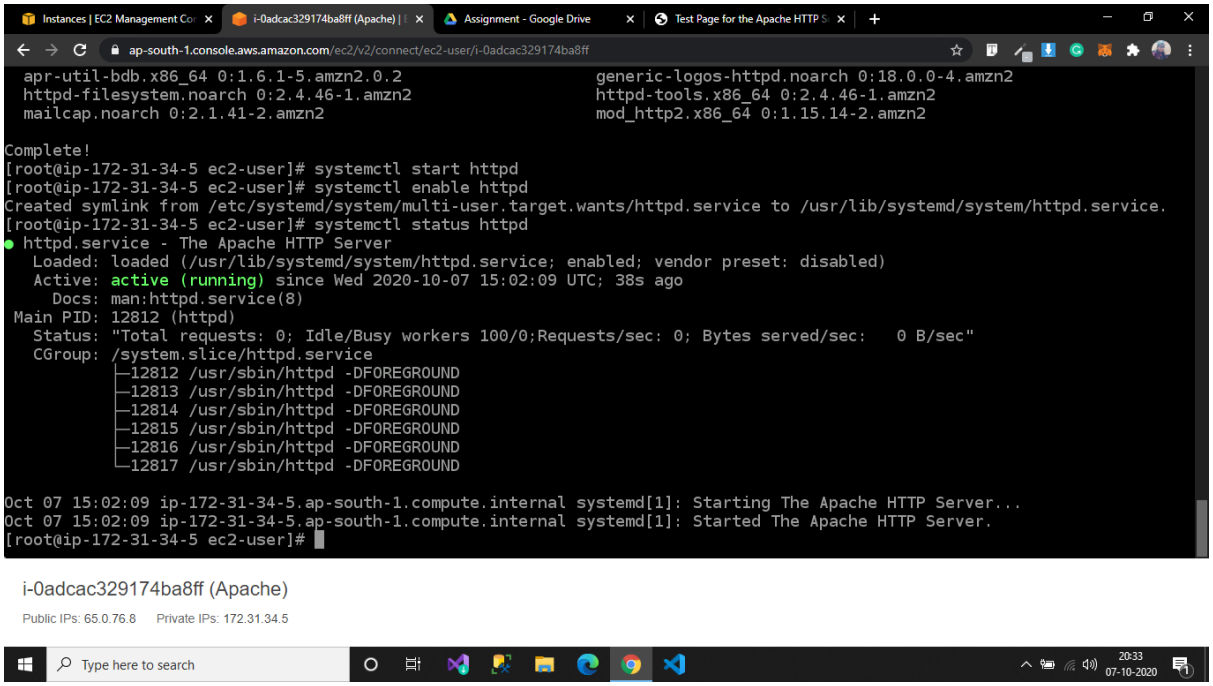
Step7: Now enable httpd:

systemctl enable httpd

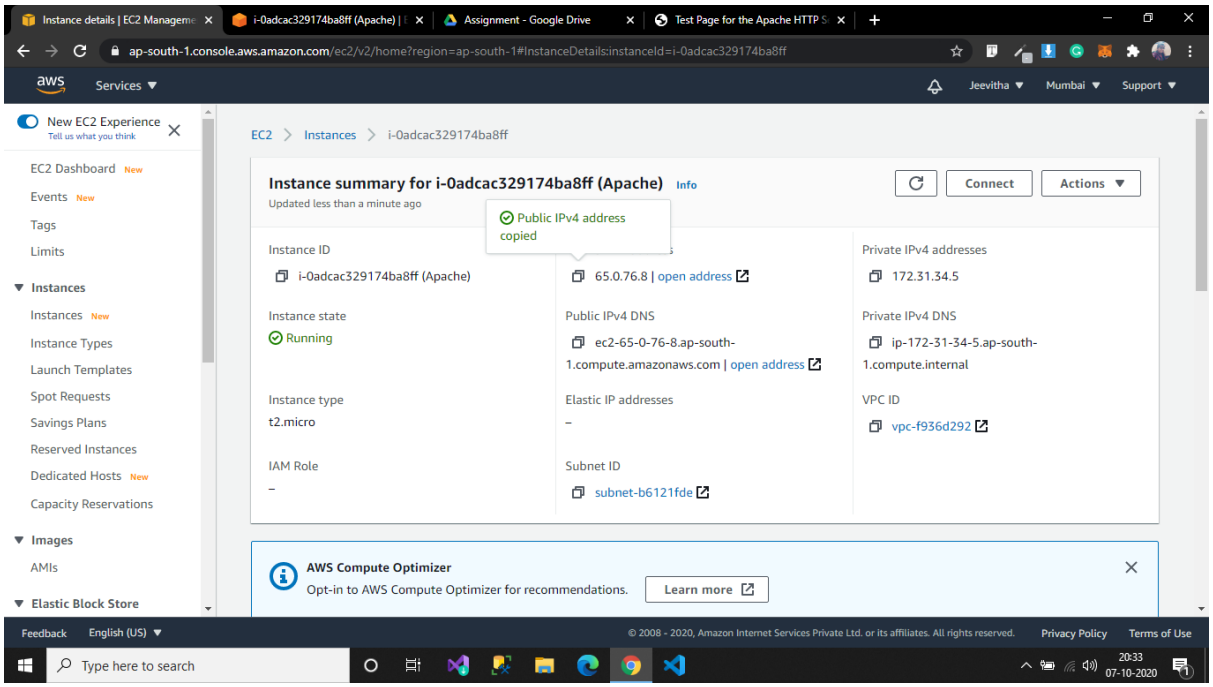
Step8: Check the web server status

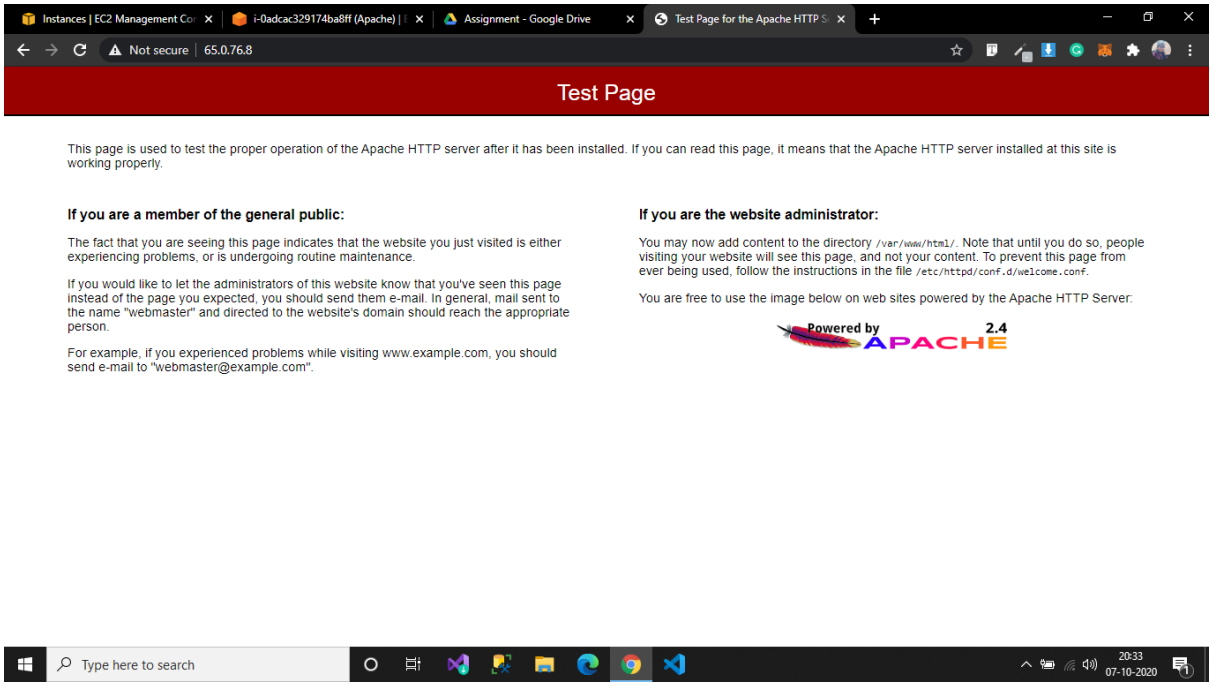
systemctl status httpd

Step9 : You can see the active status is running.

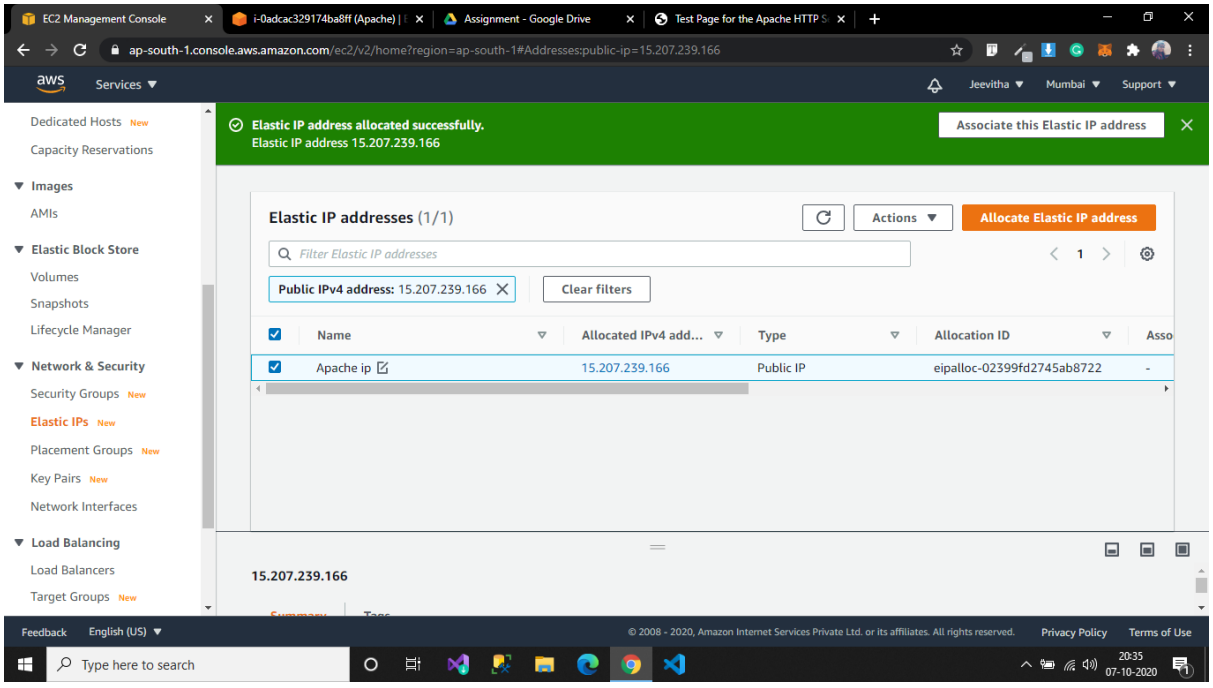


Step10: Copy the public ipv4 and paste it in the browser.

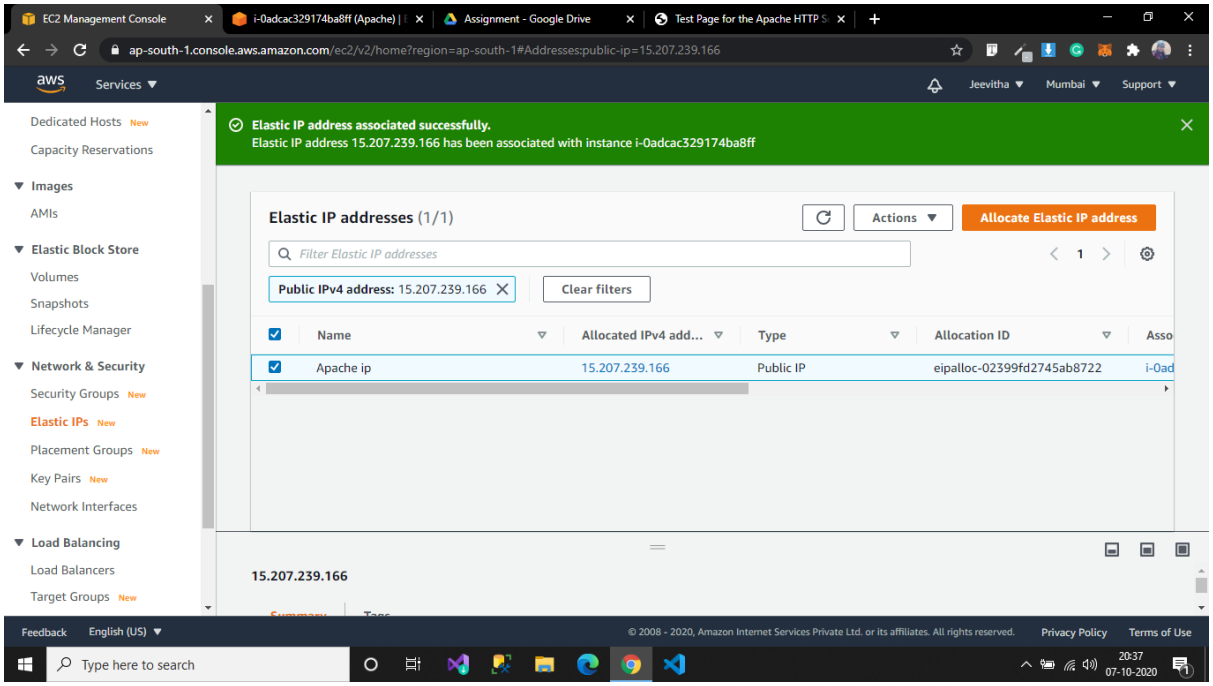




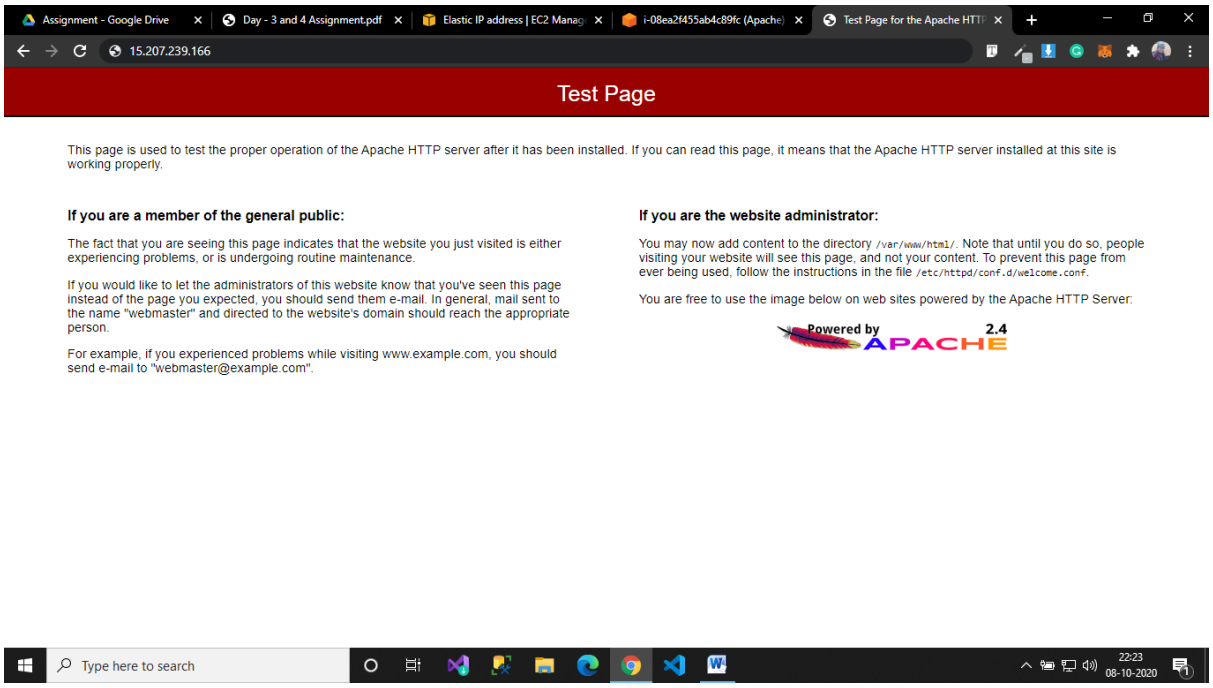
Step11: Select Elastic ip tab in EC2 dashboard and click on Allocate Elastic ip



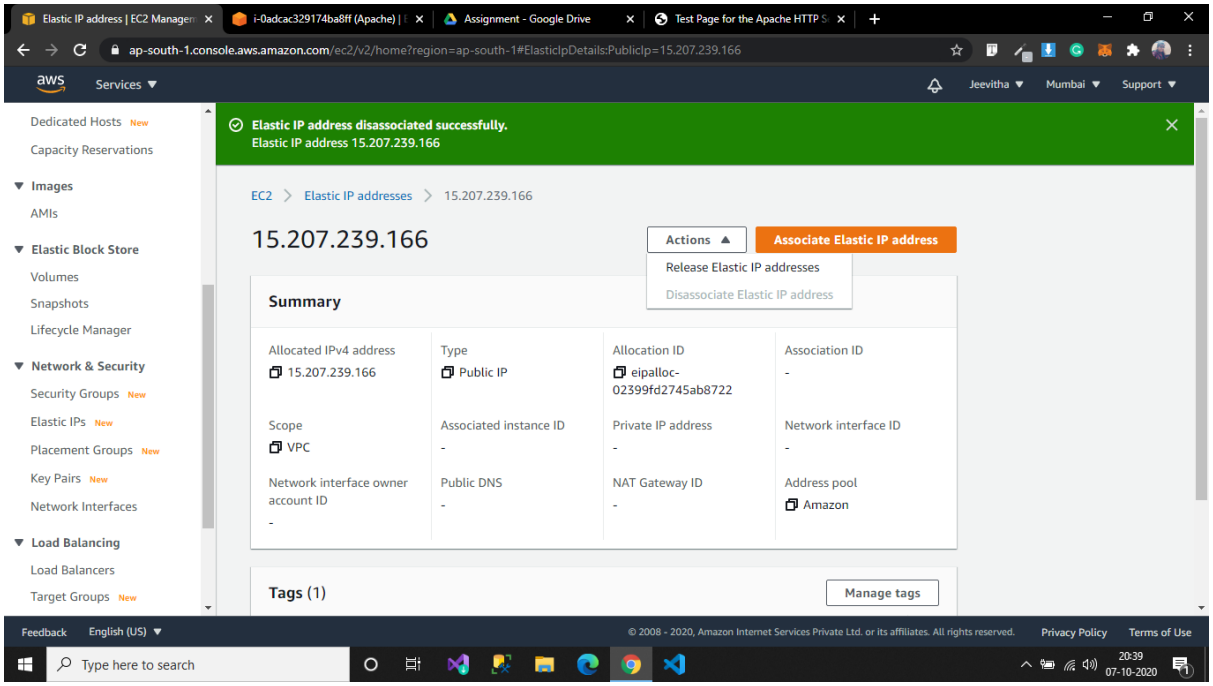
Step12: Then, Click on actions ,select Associate with instance in same region.



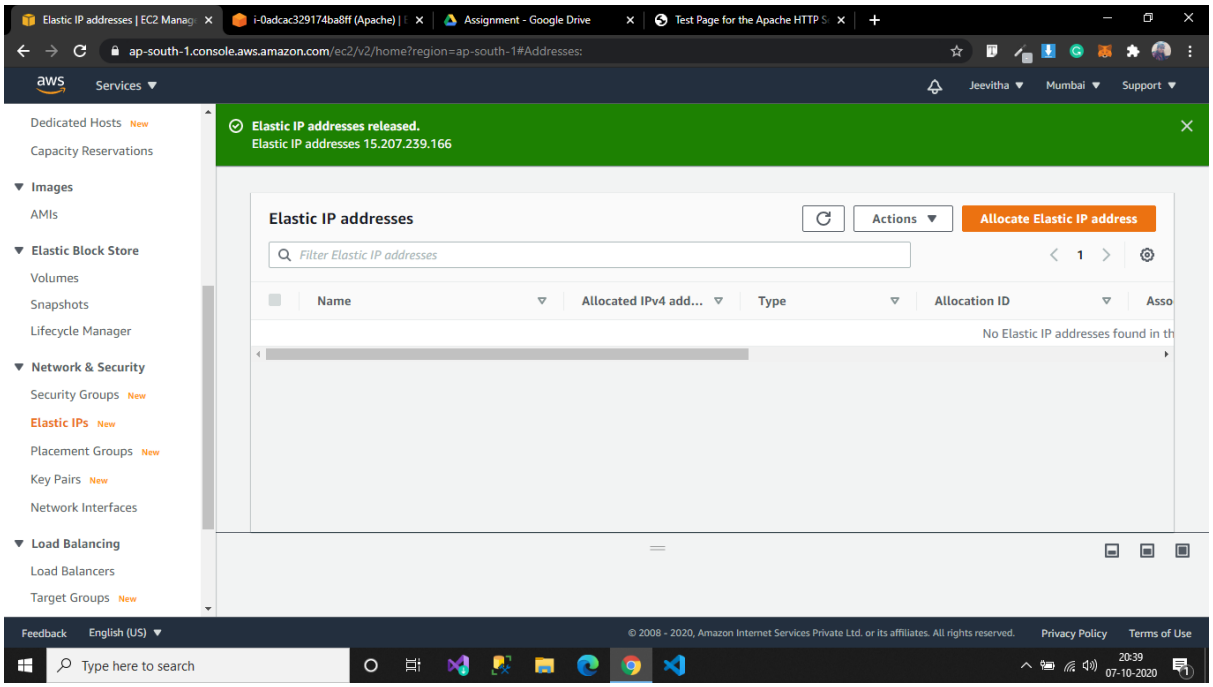
Step13: Test the instance with Elastic IP whether Apache server is run or not.



Step14: Then, Click on actions ,select dissociate with instance.



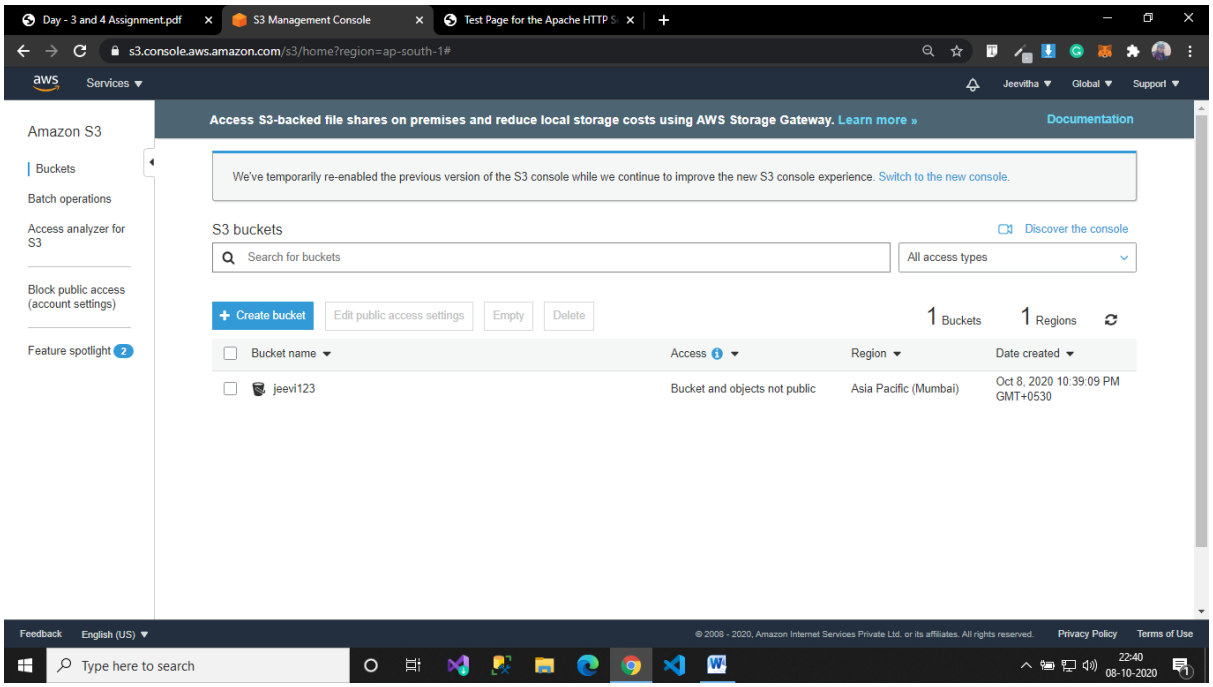
Step 15: once its completed, Release Elastic IP.



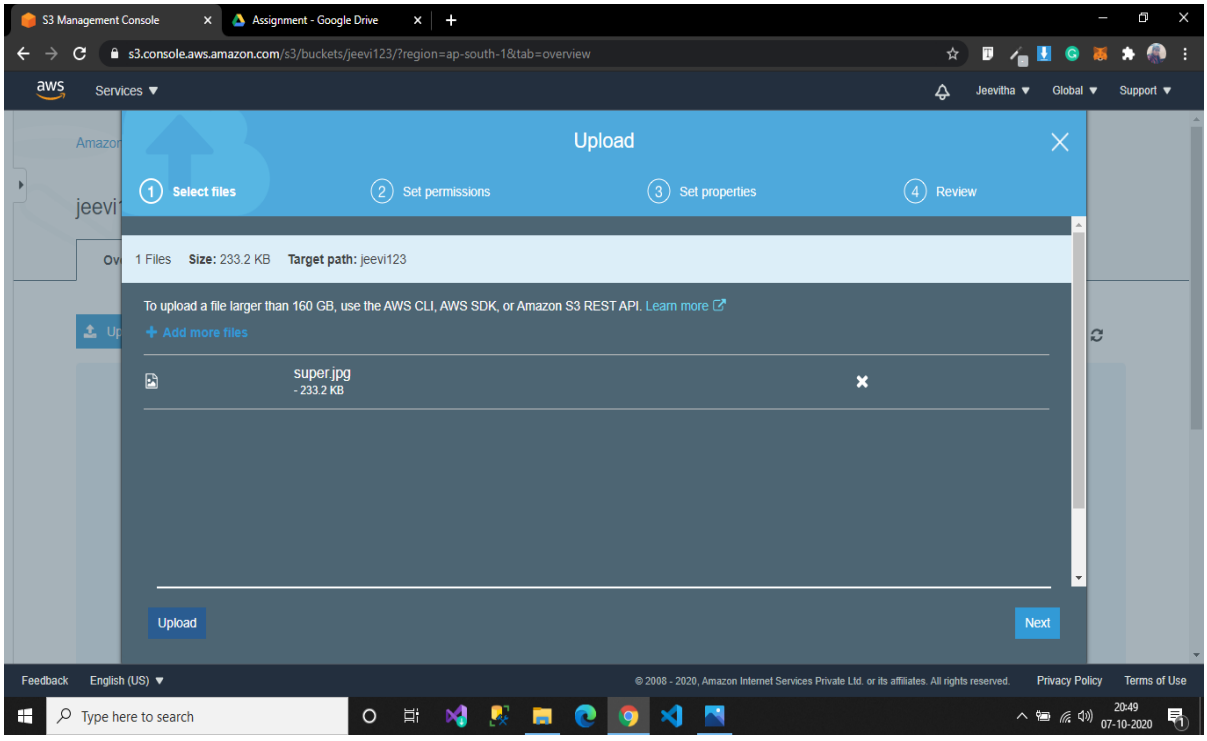
PROJECT 5: Working with S3

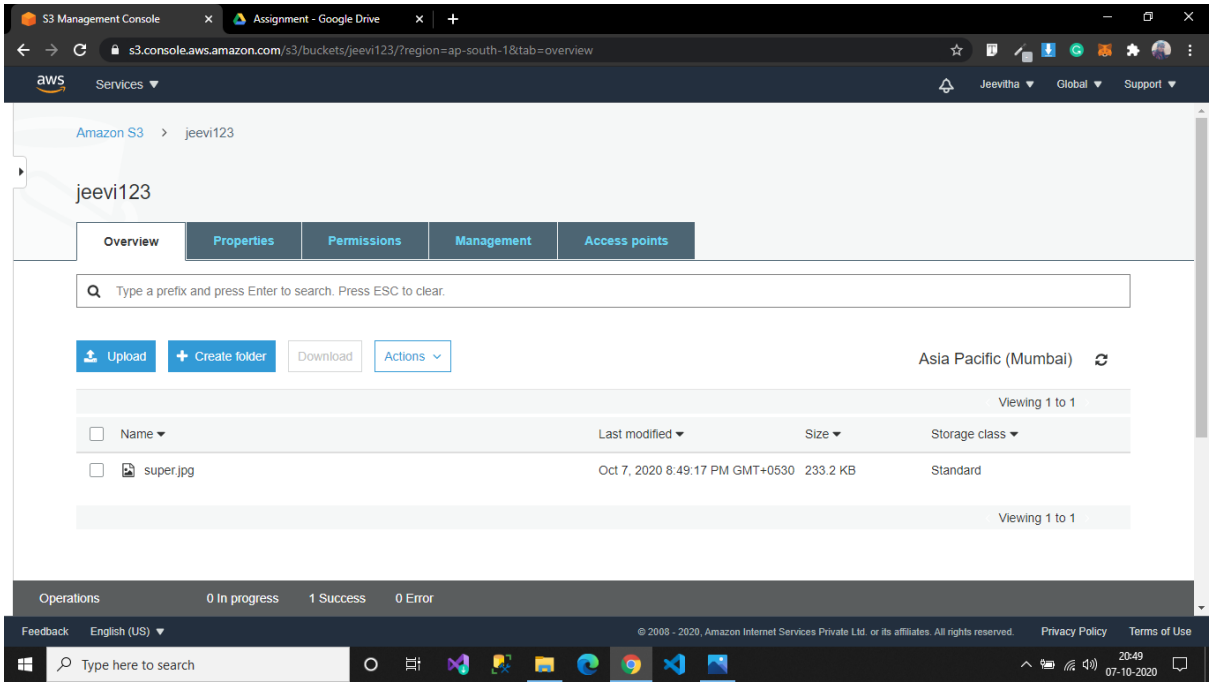
a.working with S3-.jpg

Step1:Create a Bucket with unique name.

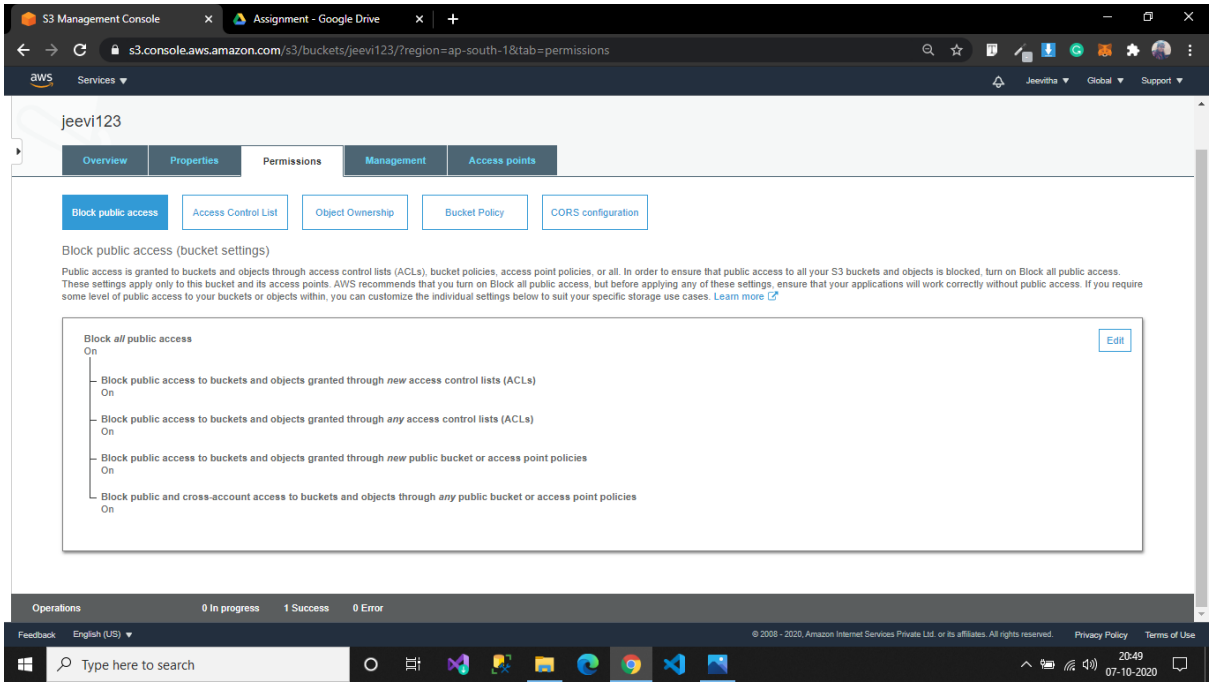


Step2: Upload a .jpg file in the bucket.

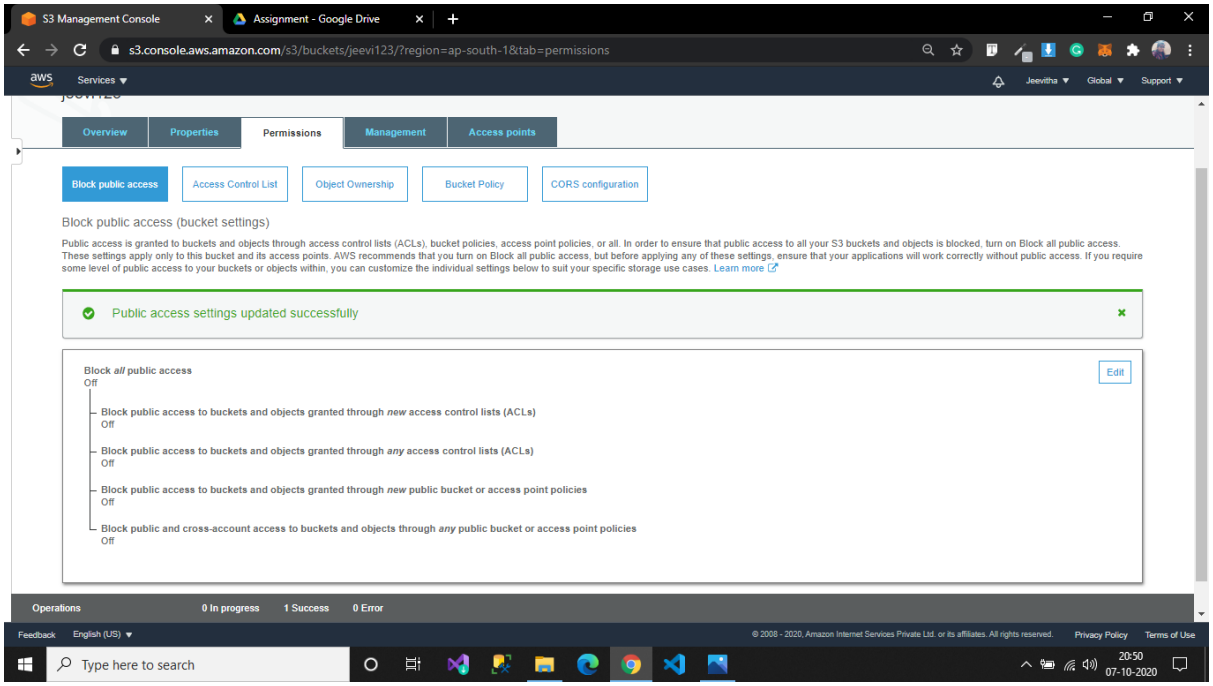




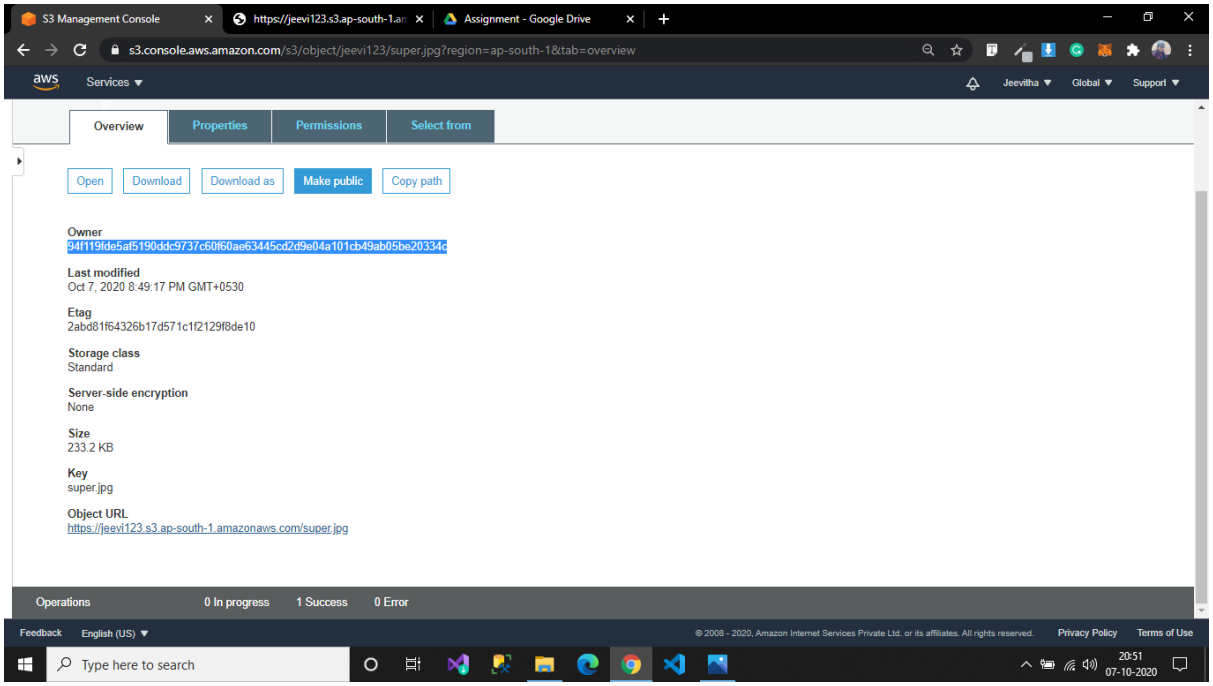
Step4: Inside a Bucket, Select Permission tab edit the Block all public access.



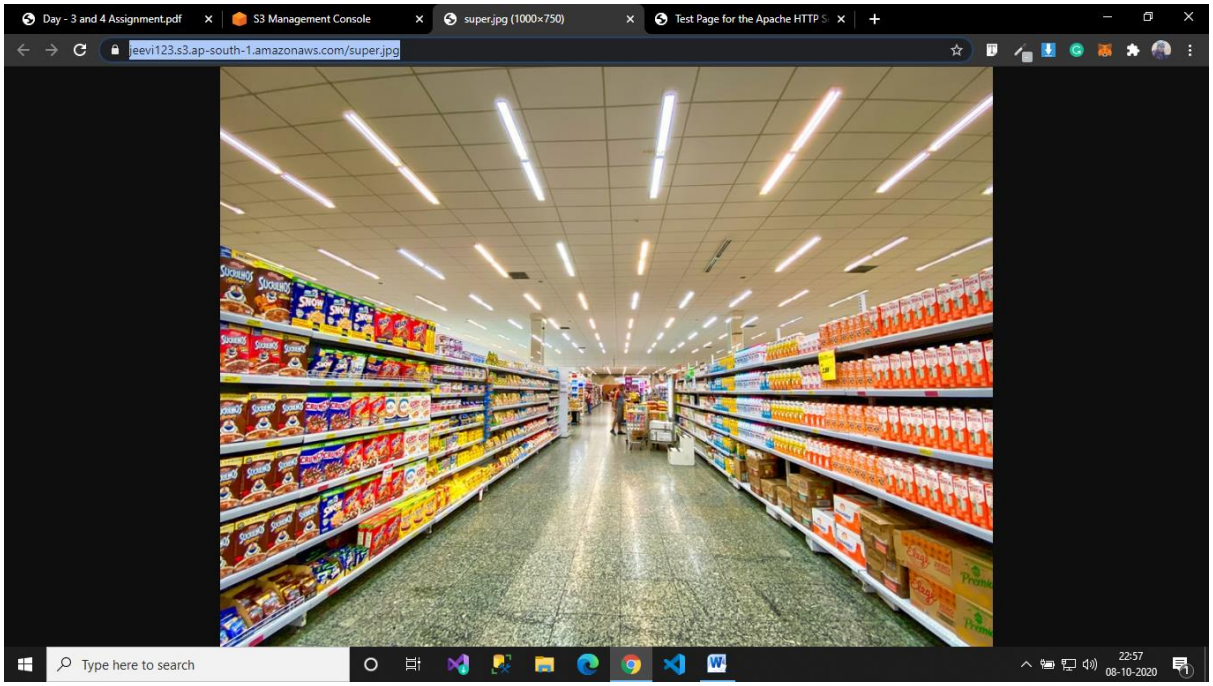
Step5: Uncheck the box and click to save.



Step6: Select the file and make them as public.

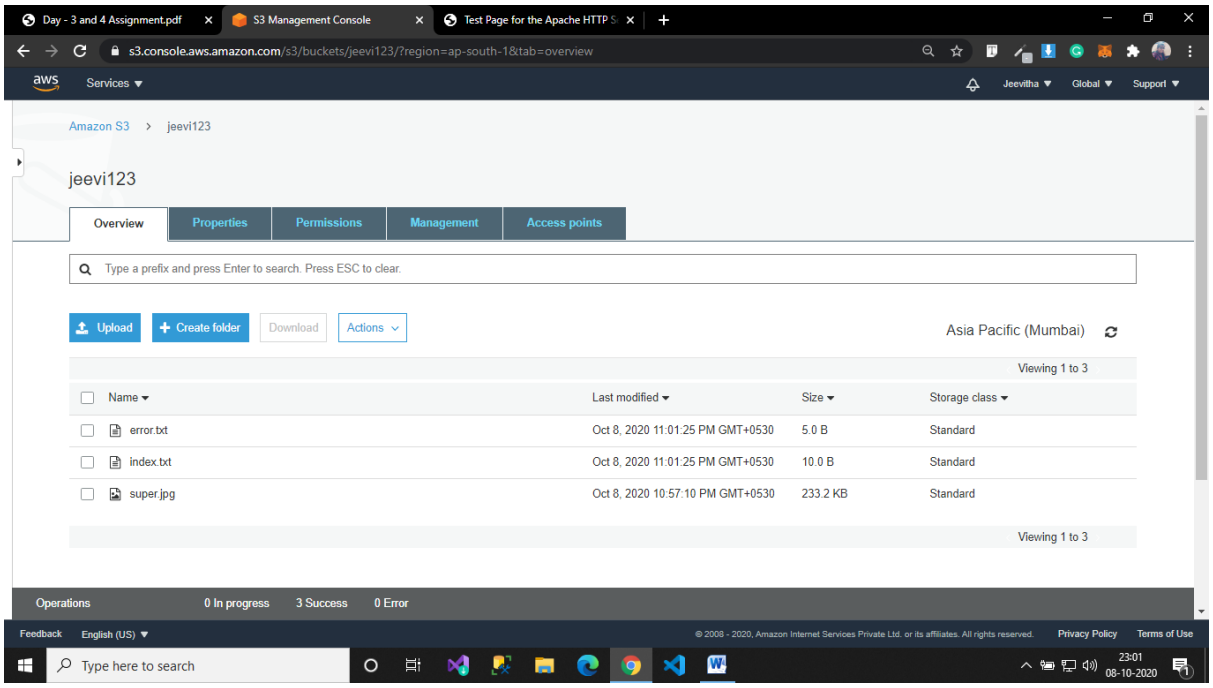


Step 7: Copy the object URL and paste it in the browser.

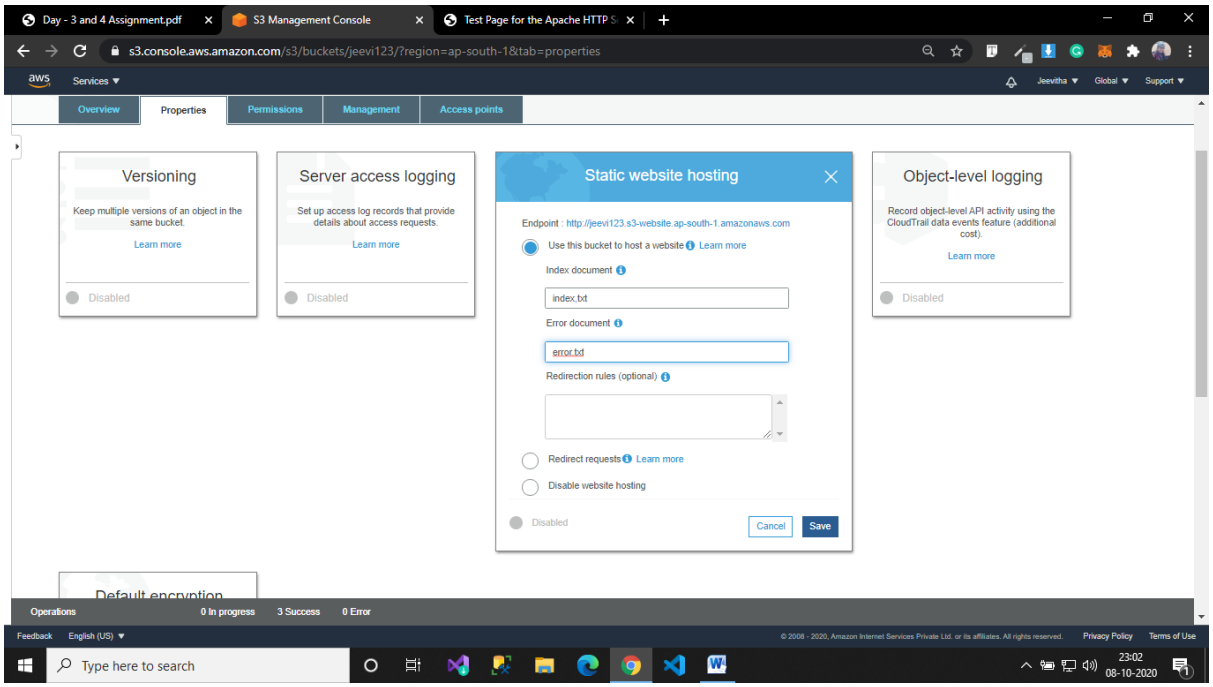


b. static web hosting

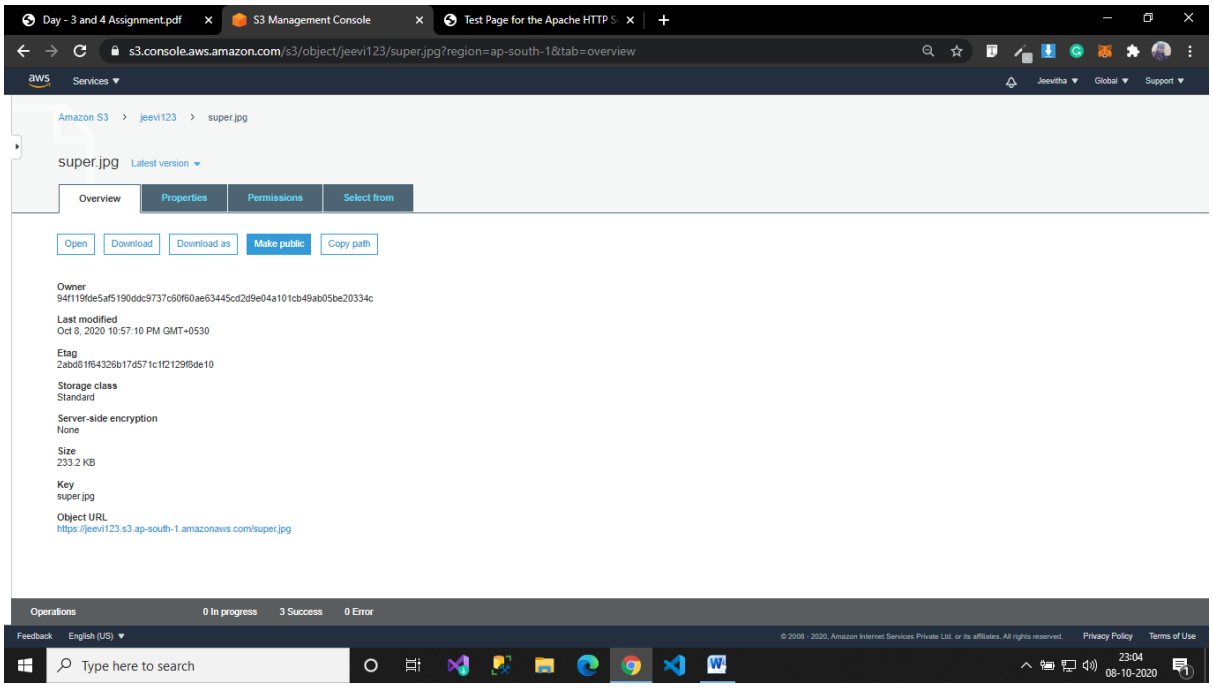
Step 1: Create two text file and upload into the Bucket.

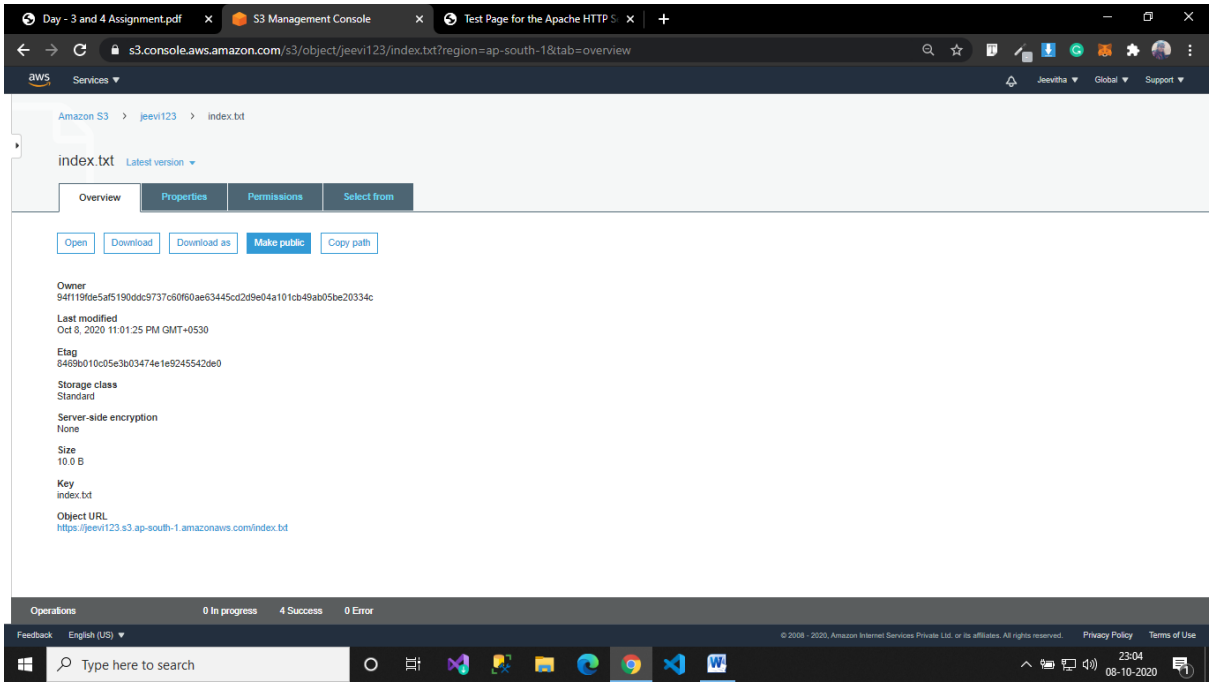


Step 2:Inside a bucket, Select the properties tab and Click on **static web Hosting.**

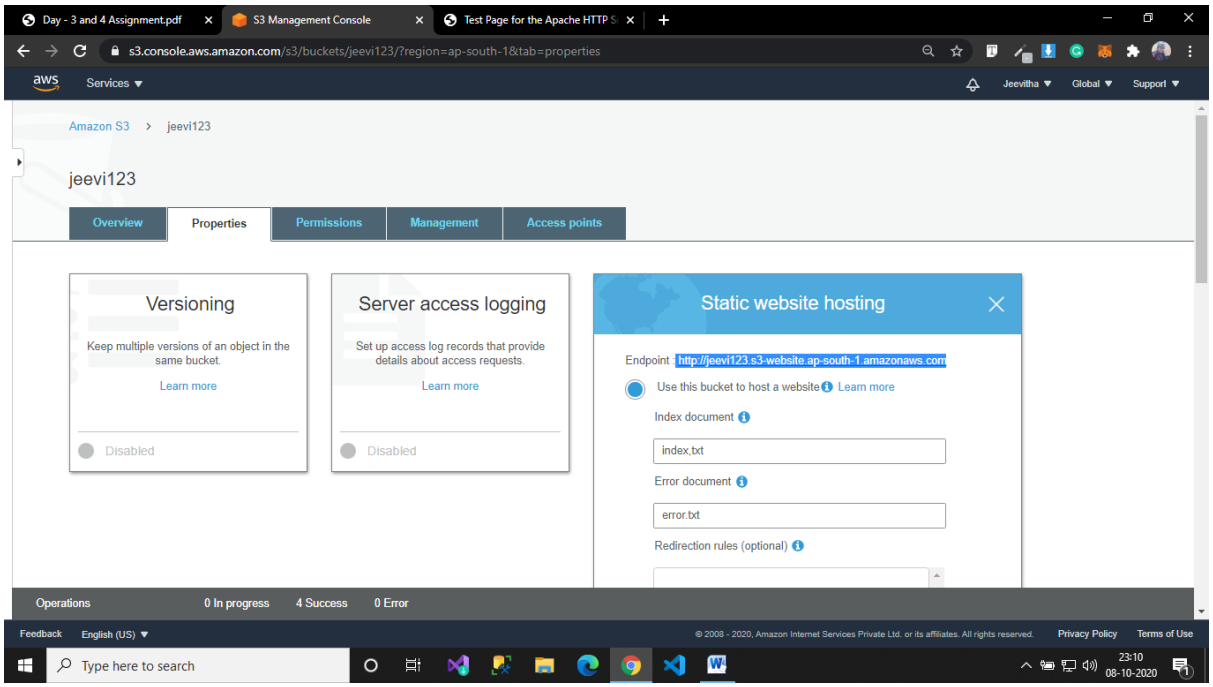


Step3: Make both the files as public.

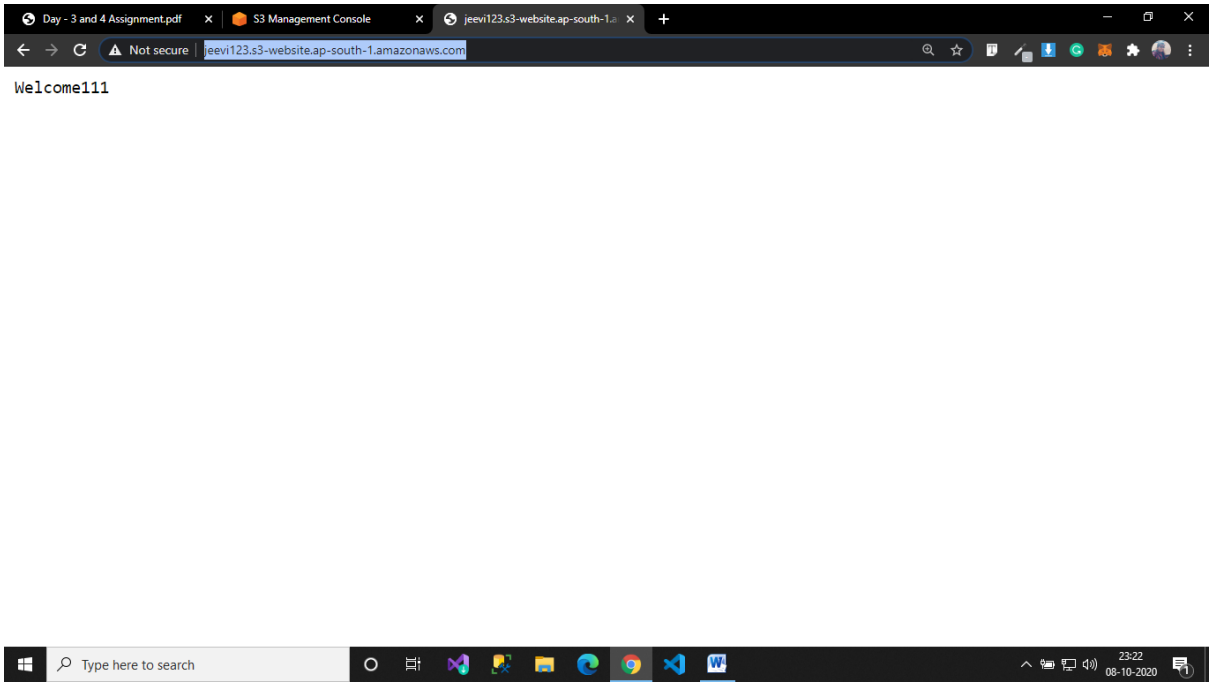




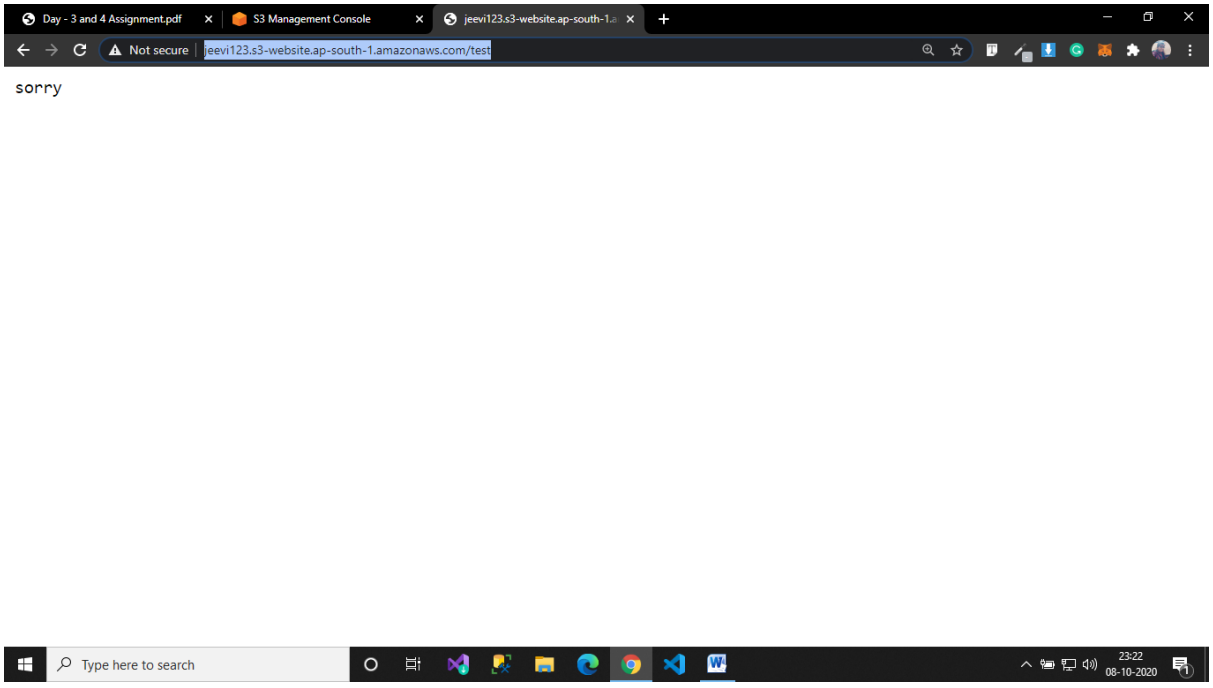
Step4: Again go to static web hosting, copy the object URL and paste it in the browser.



Step 5: If URL is pasted as it is,then it show a index.txt content.

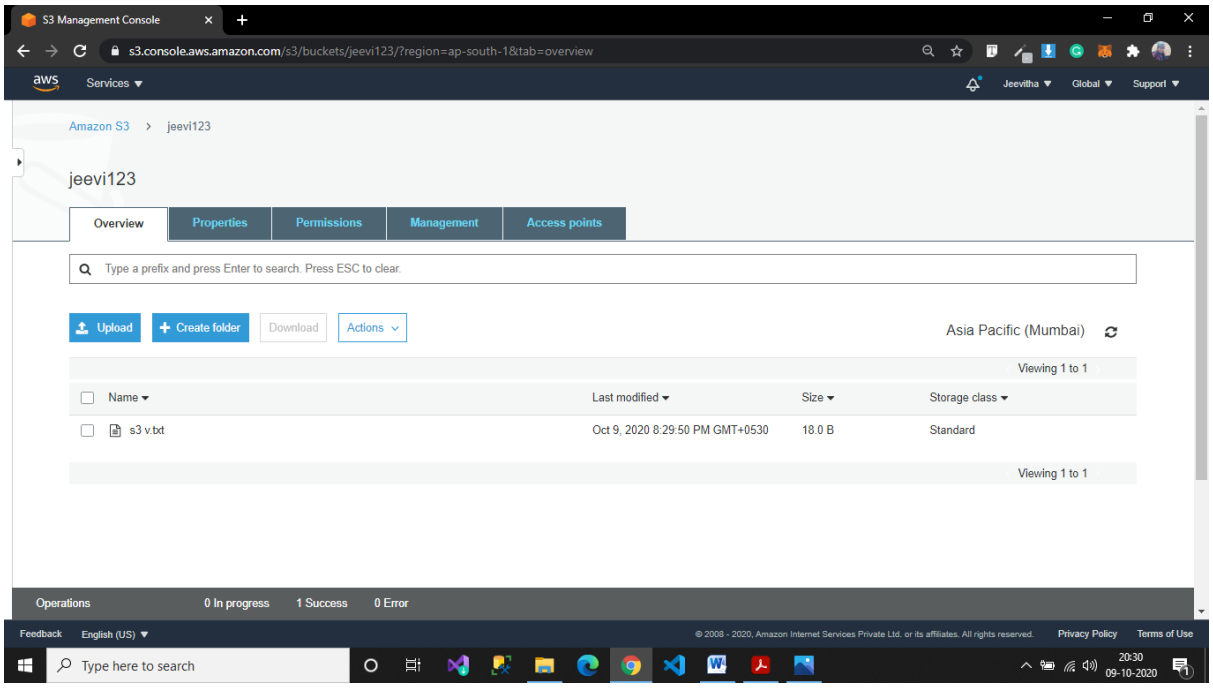


Step 6: If URL is pasted with mistake ,then it show a error.txt content.

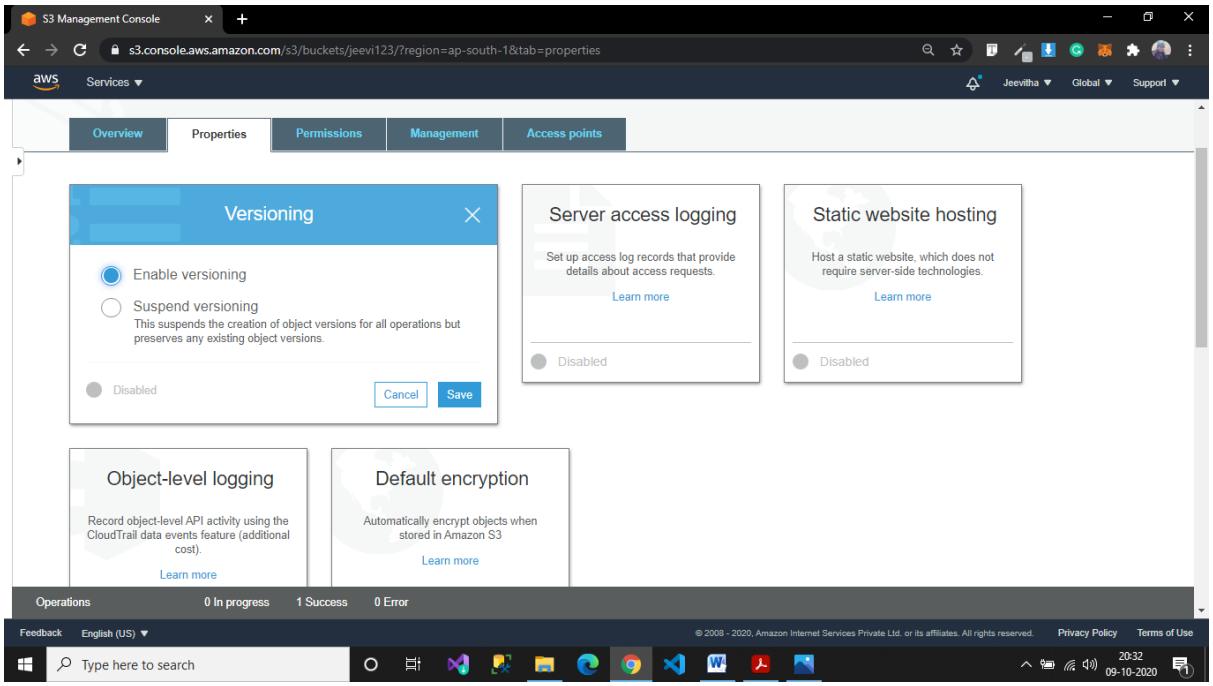


c.Versioning

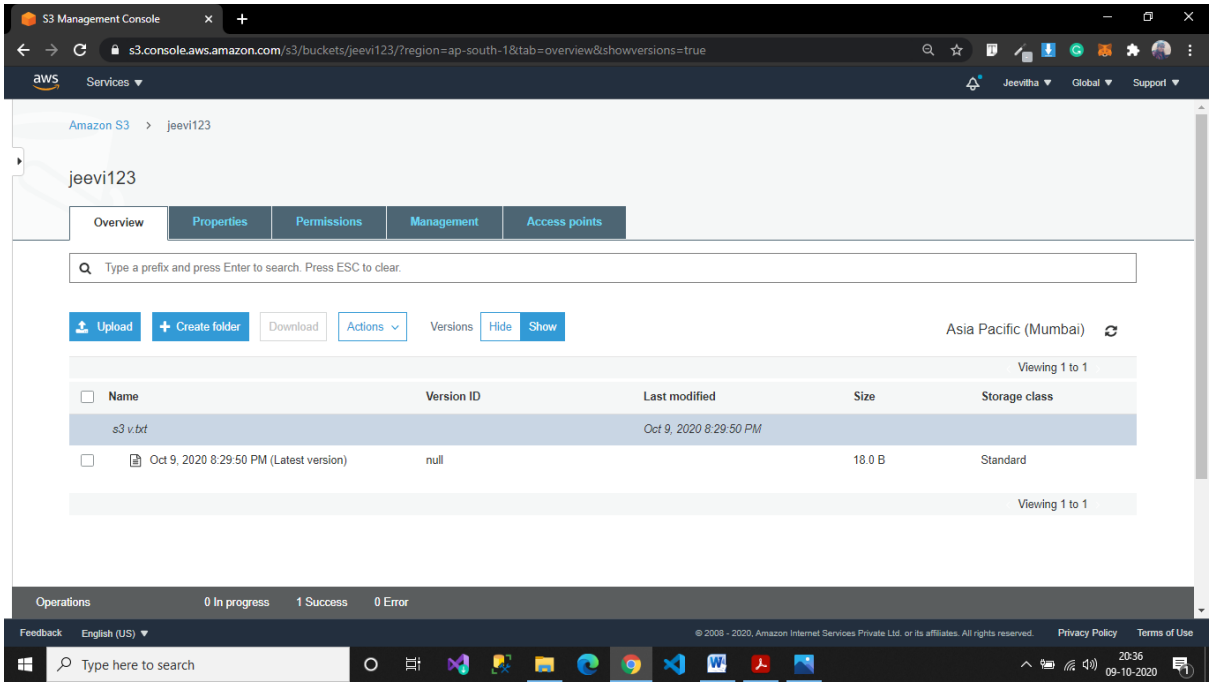
Step 1: Create one text file and upload into the Bucket.



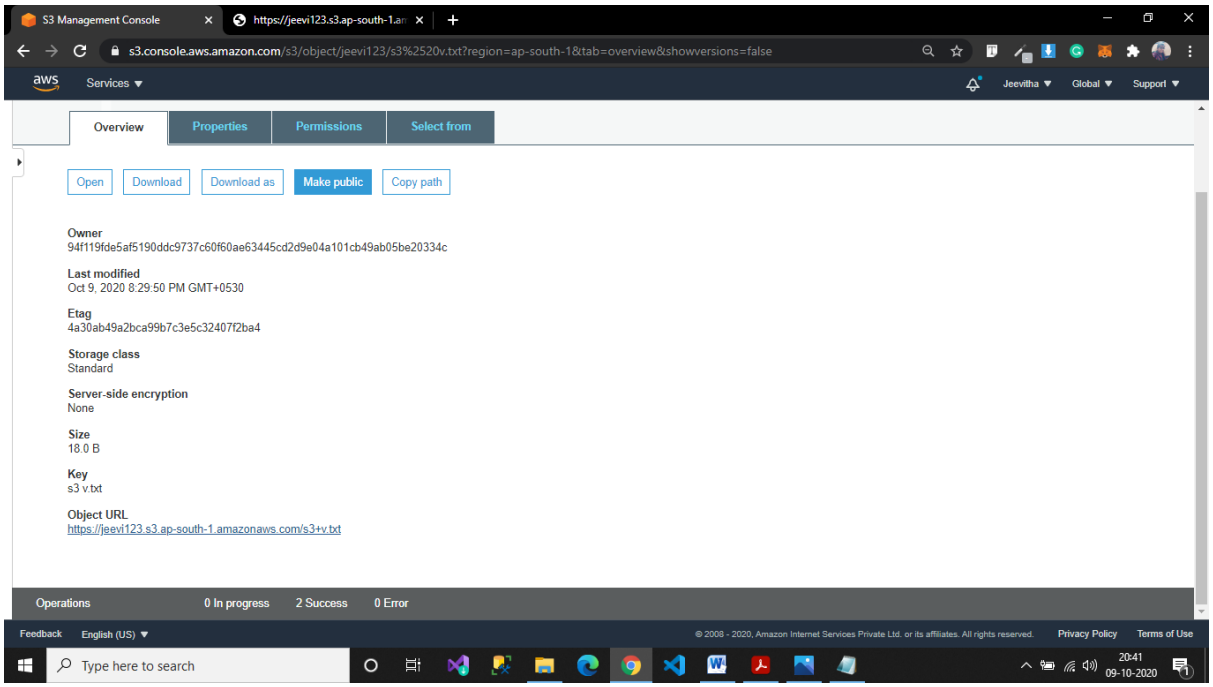
Step 2:Inside a bucket, Select the properties tab and Click on **Versioning.** Then click to enable versioning and save.

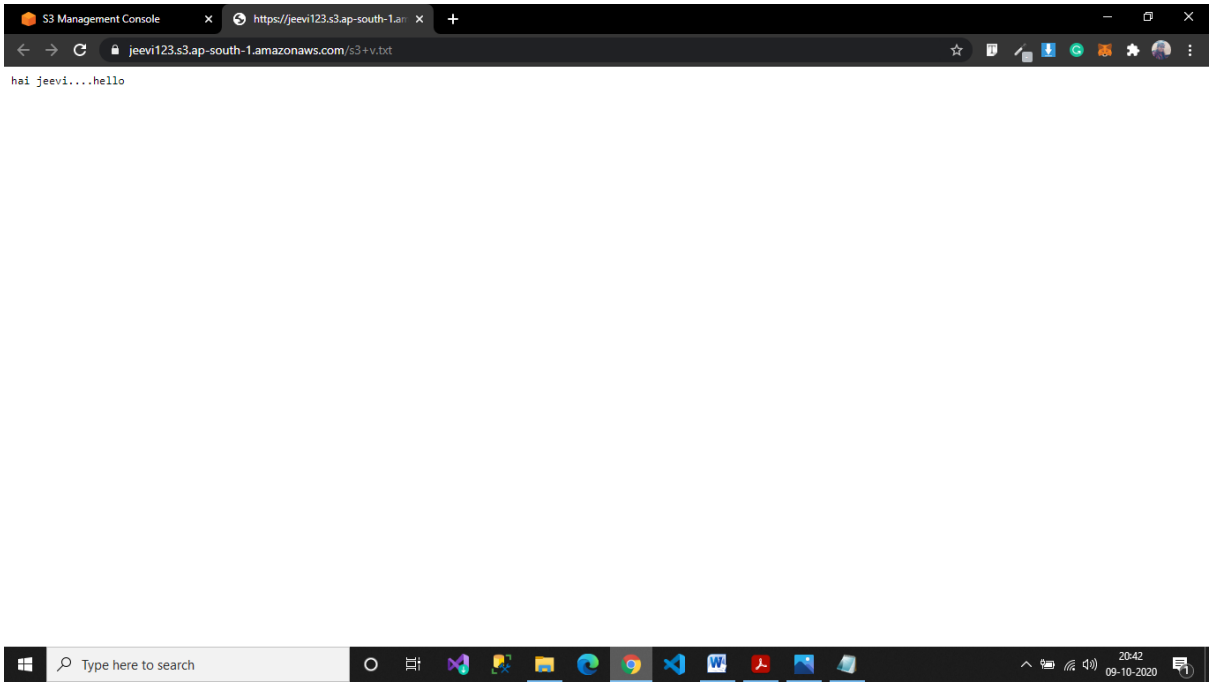


Step3: Show tab is click to show the details.

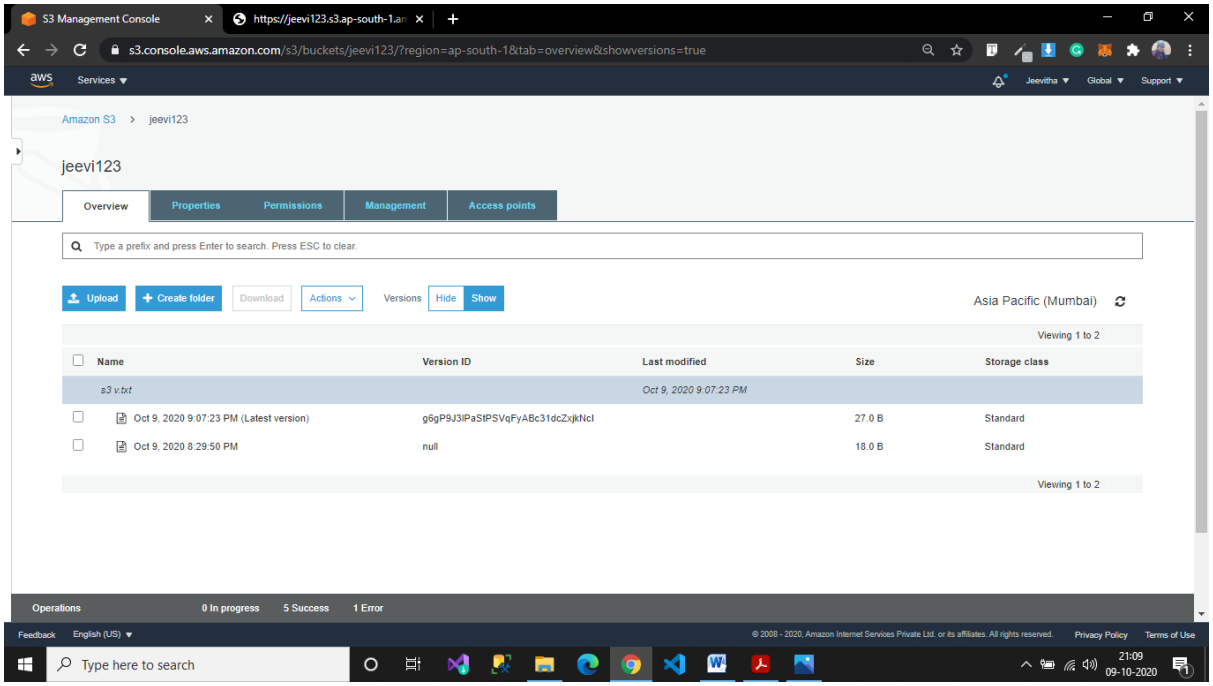


Step4: Make them as public and copy and paste the object URL in the browser.

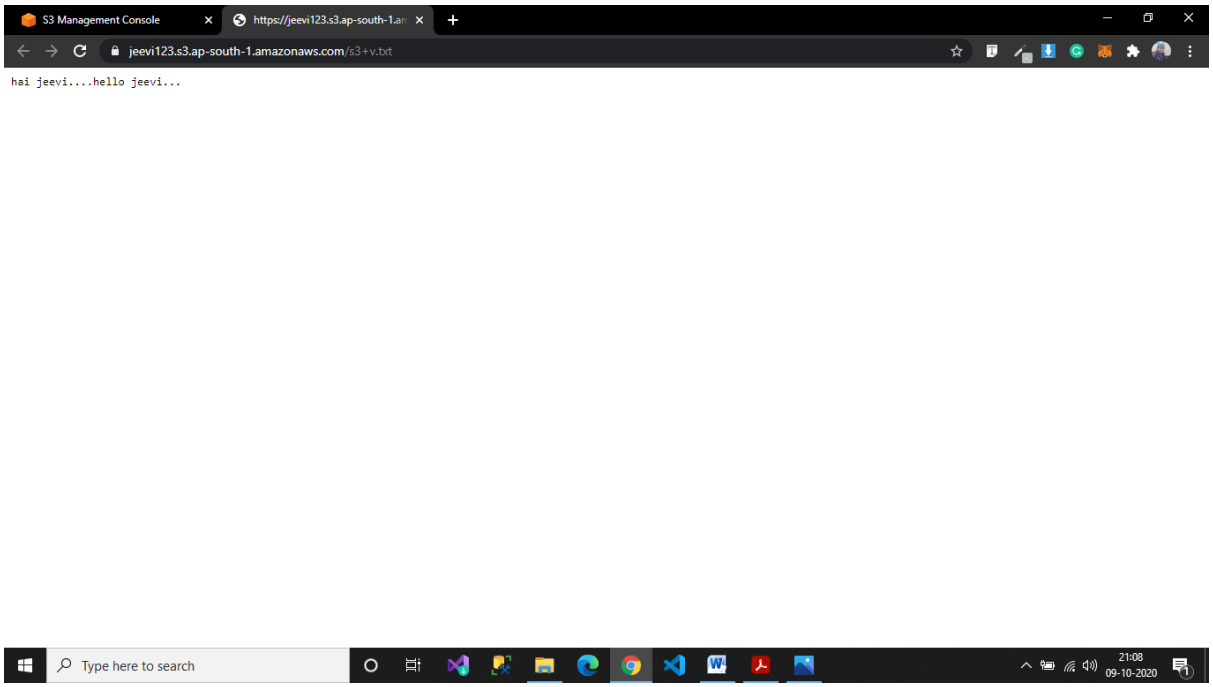




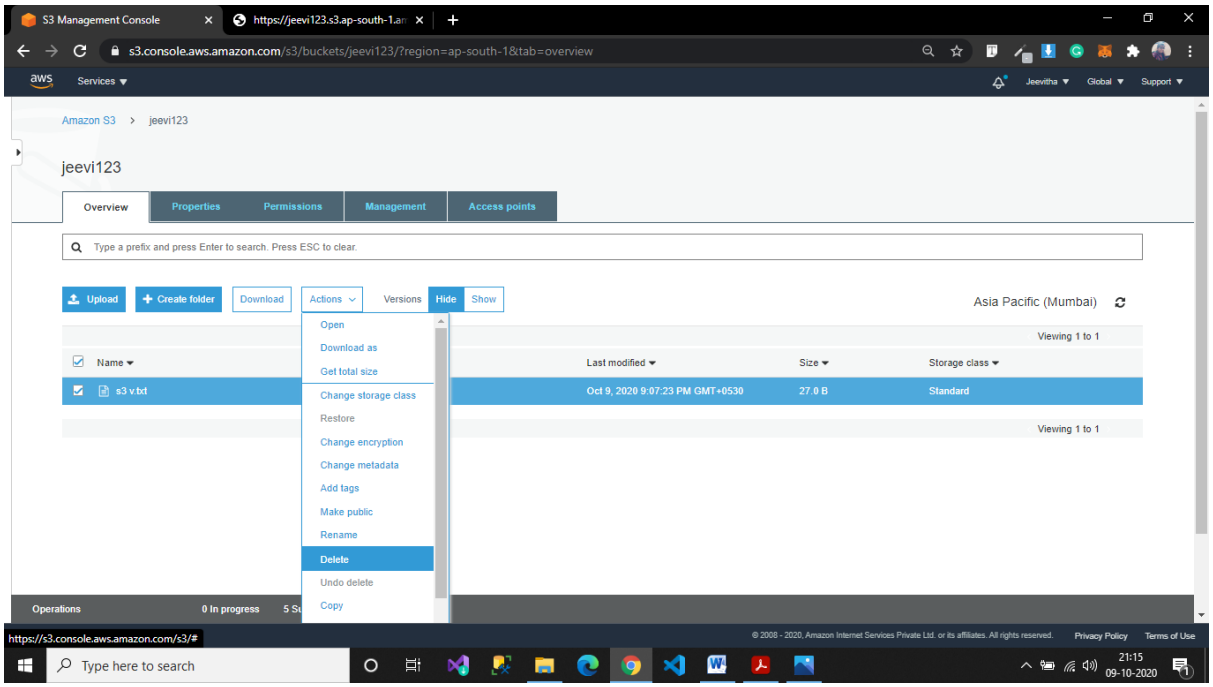
Step5: Modify the content in s3v.txt. Again upload the same file.

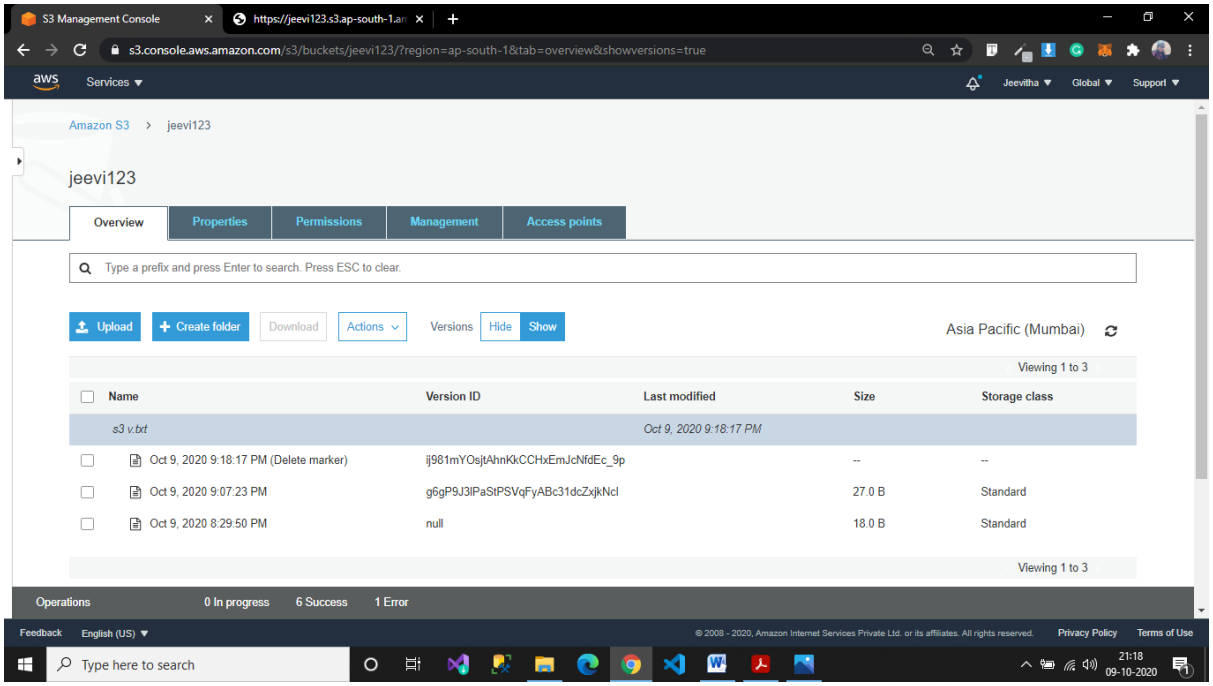


Step6: Make that file again as public. Copy the object URL and paste it in the browser.



Step7: Delete that file but it shows in the shows tab. This is used for backup.





QUESTION 1:

Explain life cycle effects on instances: Stop, start, reboot, terminate-public IP, Private Ip, Applications installed.

When we Stop the instance, the public ipv4 gets removed. But the private ipv4 is not removed.

When we Start the instance, the new public ipv4 is added. But there is no change in private ip. Also no change in Application which is already installed in the instance and we can work with as it is.

When we Reboot the instance, the public ipv4 remains same. Also the private ip is not changed. The Application which is already installed in the instance and we can work with as it is.

When we Terminate the instance, both the public ipv4 and private ipv4 is removed. We cannot start instance.