# Terna Engineering College Computer Engineering Department Program: Sem VIII

Course: Cloud Computing Lab (CSL803)

Faculty: Reshma Koli

# **Experiment No. 4**

**A.1 Aim:** To demonstrate and implement Storage as a service using AWS S3 Service.

# PART B (PART B: TO BE COMPLETED BY STUDENTS)

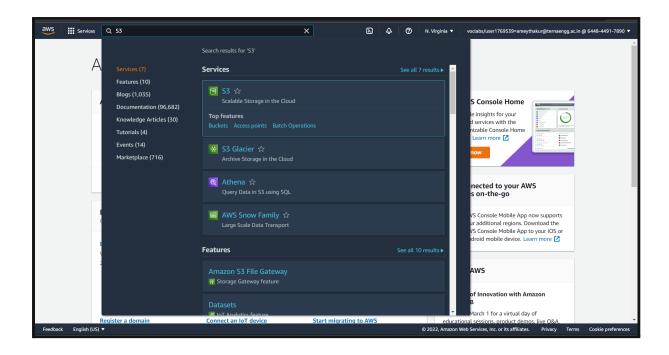
Roll No. 50	Name: AMEY MAHENDRA THAKUR
Class: BE COMPS B 50	Batch: B3
Date of Experiment: 14-02-2022	Date of Submission: 14-02-2022
Grade:	

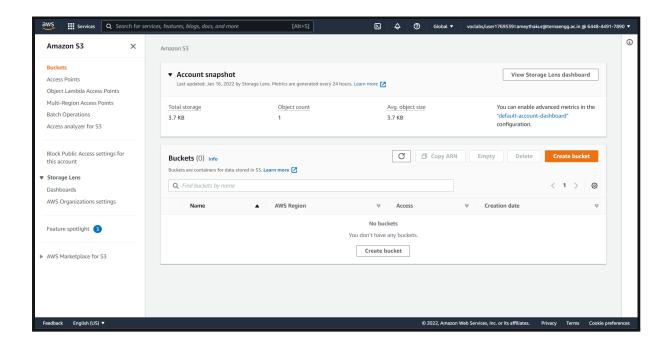
## **B.1 Question of Curiosity:**

Q1: Create Bucket using AWS S3 service (Add stepwise screenshots of the same). ANS:

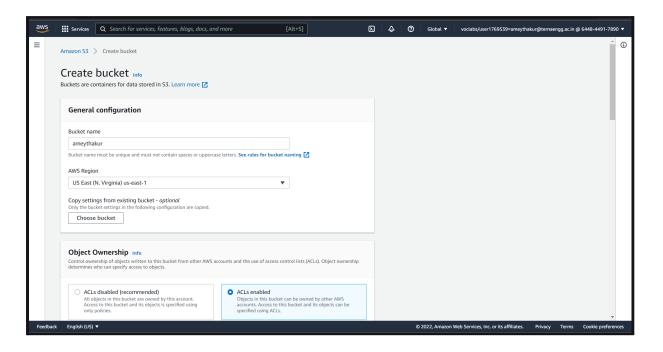
Practical Video (AWS S3 Service): <a href="https://youtu.be/CnM07Vq7pW8">https://youtu.be/CnM07Vq7pW8</a>

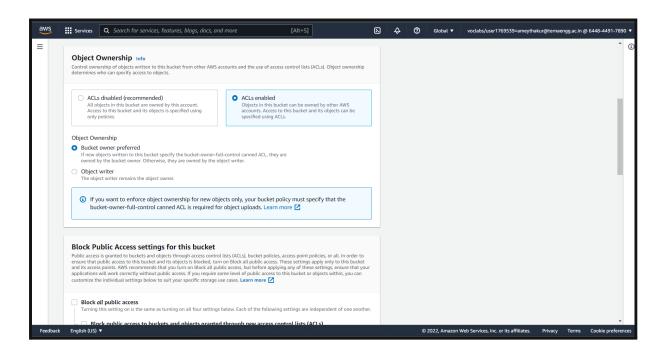
Step 1: Create S3

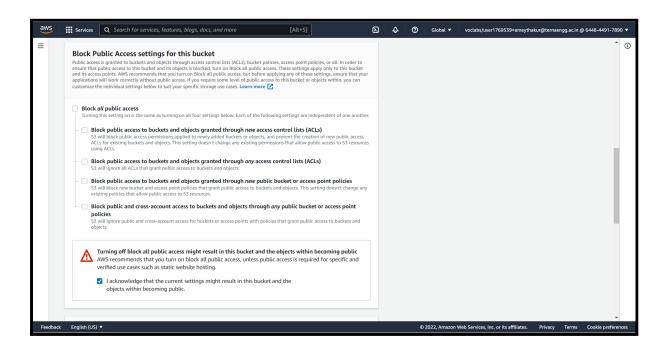


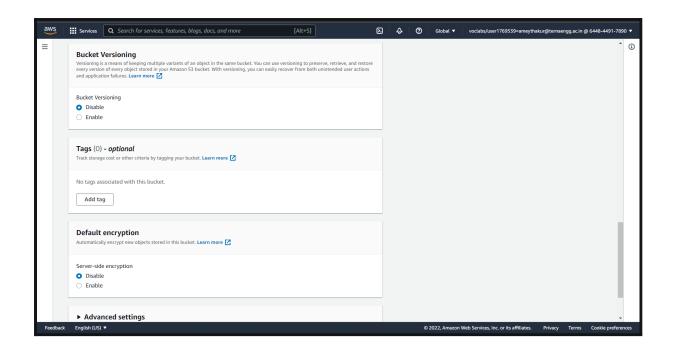


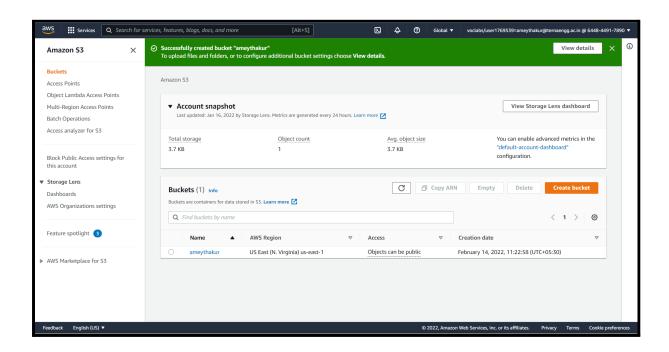
#### Step 2: Create Bucket

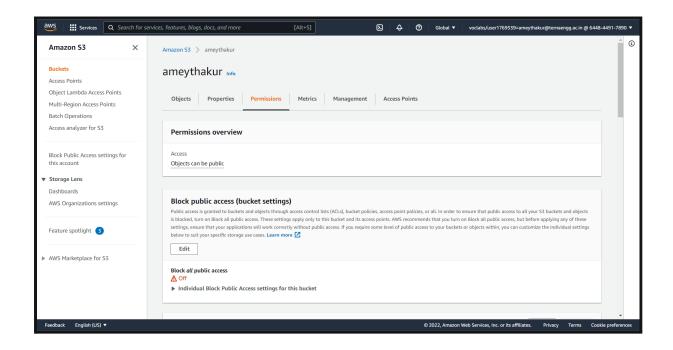


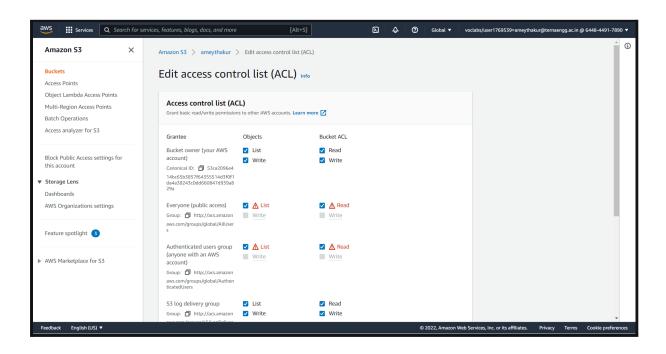


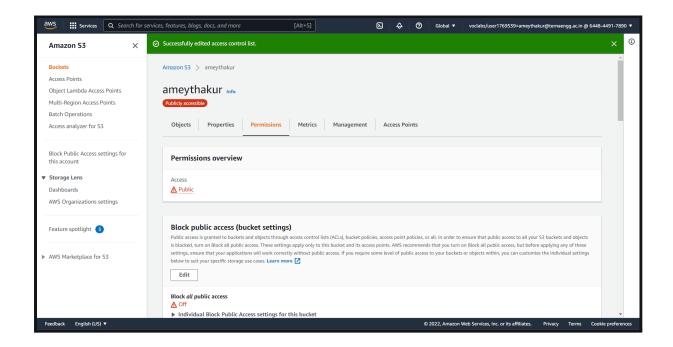


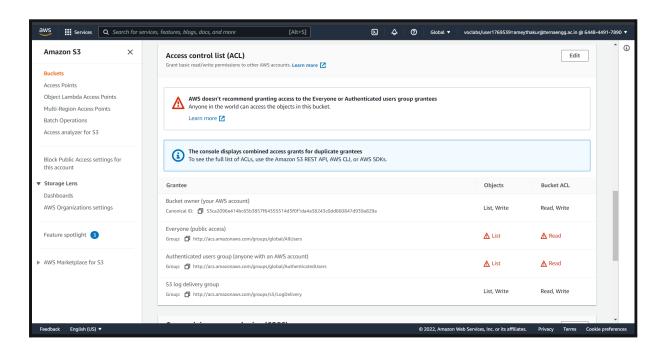


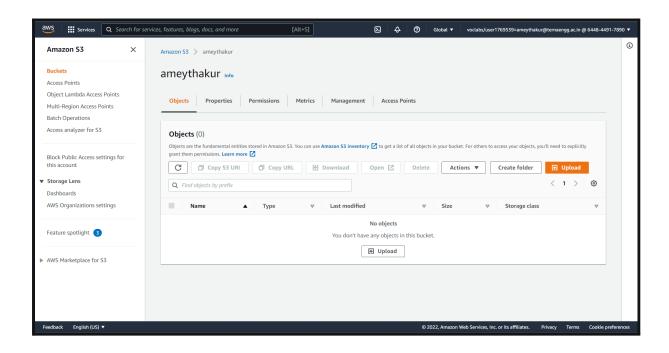


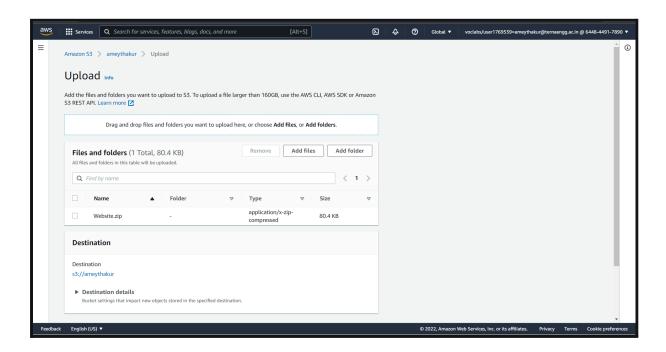


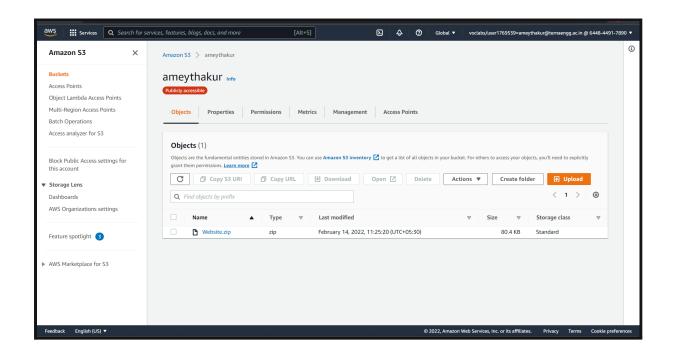


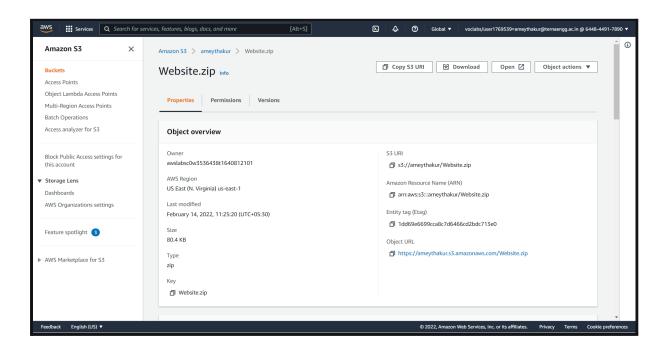


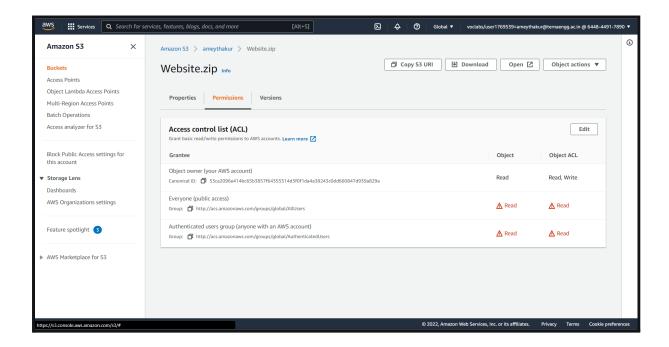




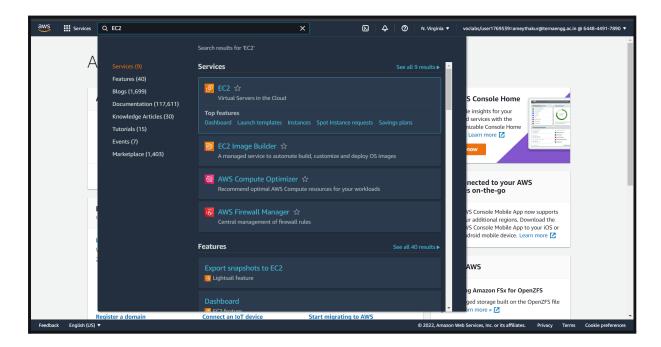


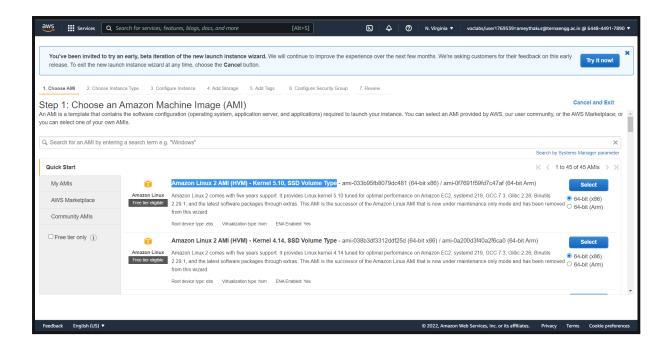


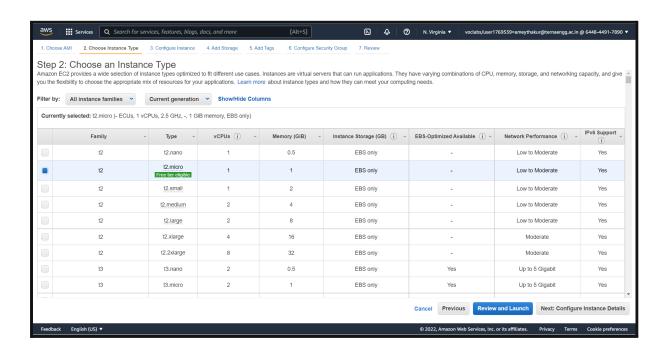


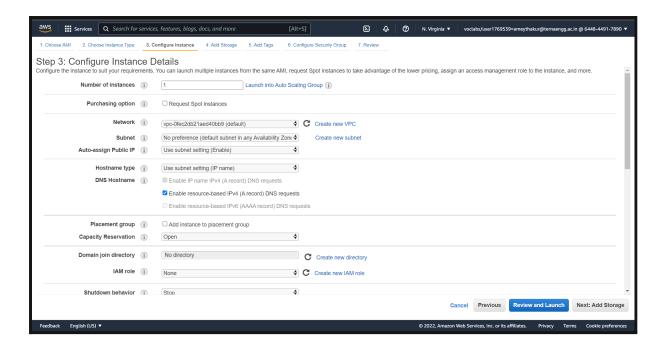


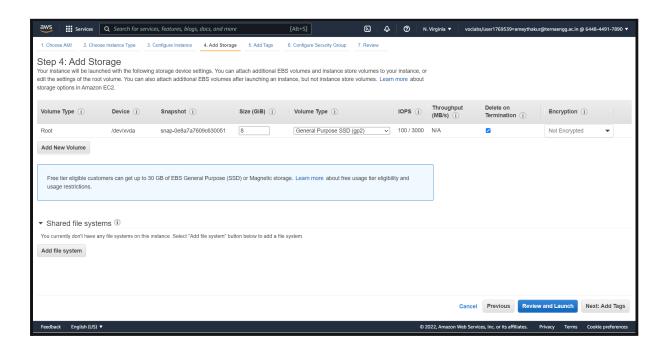
### Step 3: Create EC2 Instance

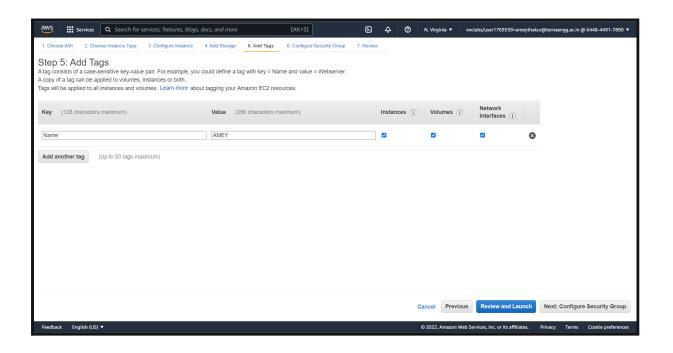


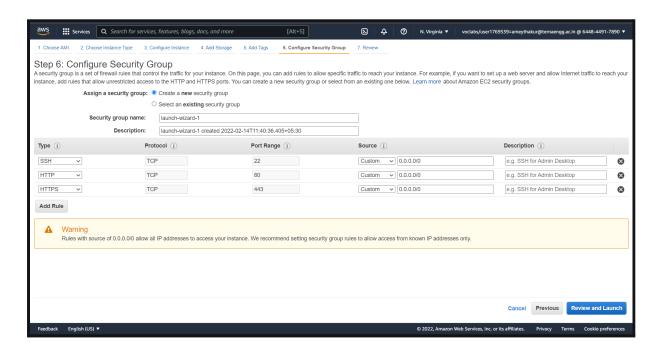


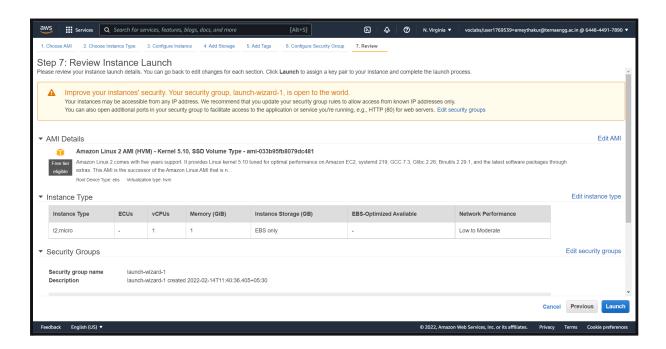


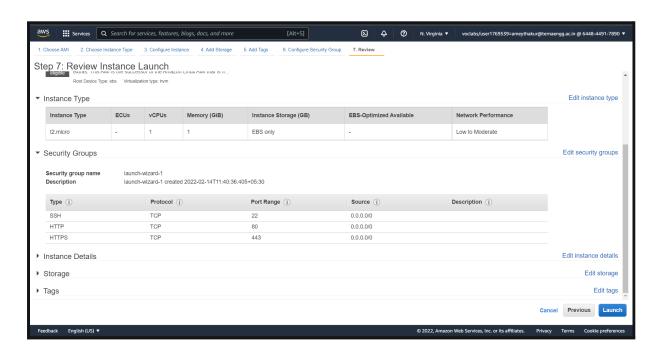


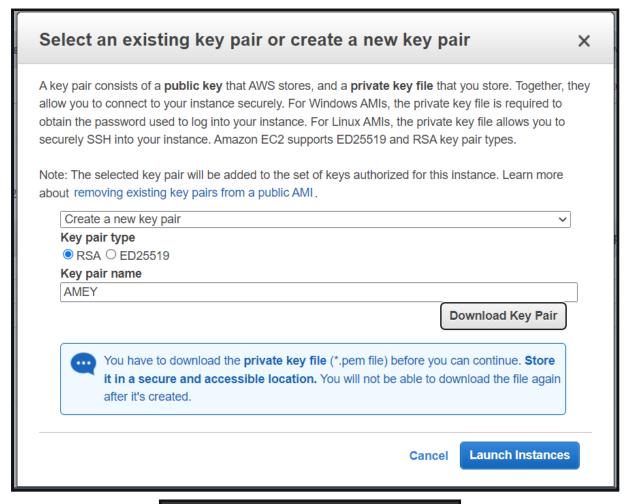




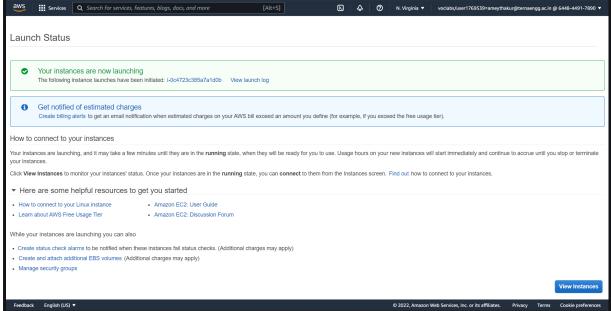


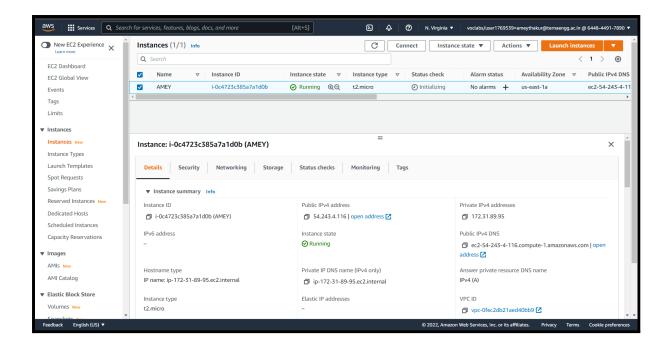




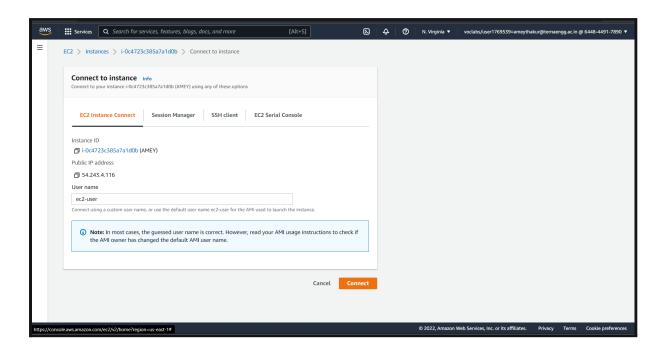








#### Step 4: EC2 Instance Connect



### Step 5: Terminal

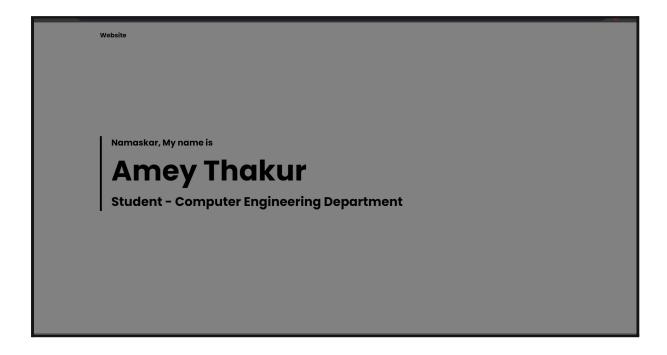
```
Amazon Linux 2 AMI
https://axa.mazon.com/amazon-linux-2/
3 package(s) needed for security, out of 6 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-89-55 -]s

i-Oc4723c3385a7a1dOb (AMEY)
Public IPs: 642434.116 Private IPs: 172.31.89.95
```

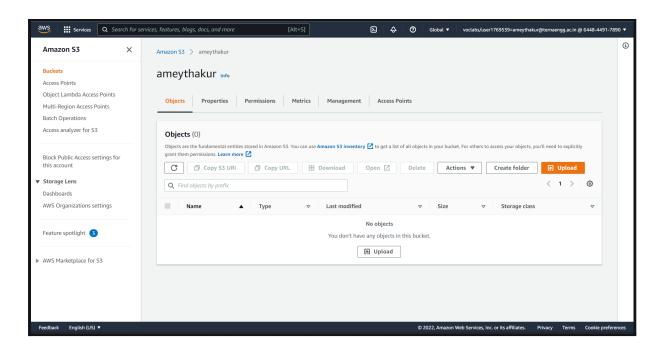
```
https://aws.amazon.com/amazon-linux-2 ANI

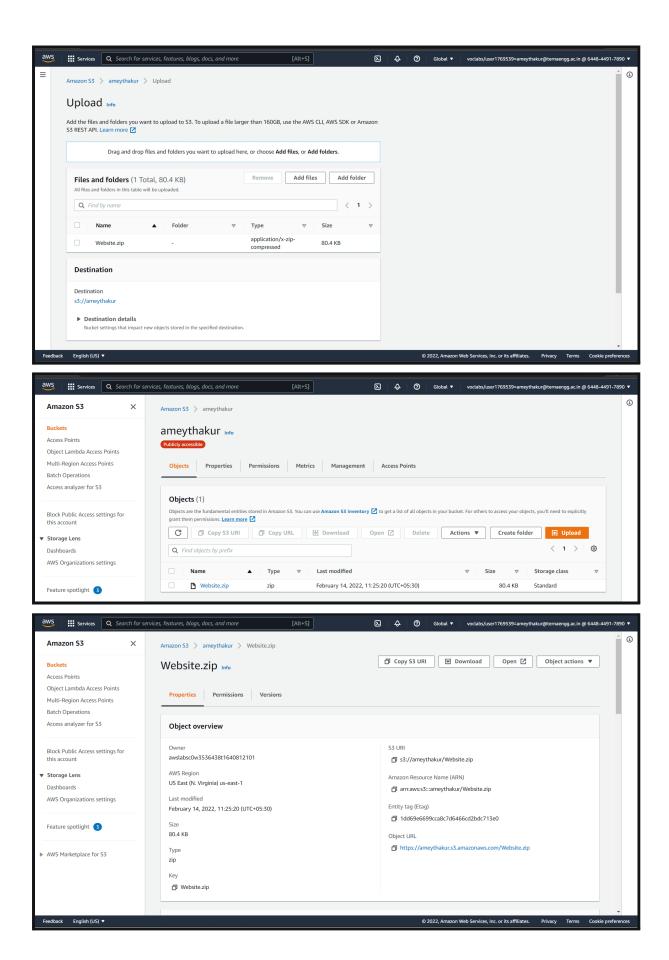
https://aws.amazon.com/amazon-linux-2/
3 package 5) needed for security, out of 6 available
fec2-userBip-172-31.89-95 -)s sudo sudate.
fec2-userBip-172-31.89-95 -)s sudate
```

## Step 12: RESULT



 $\Omega$ 2: Add Objects to Bucket created (Add stepwise screenshots of the same). ANS:





Q3: Compare Google Drive with AWS S3. ANS:

GOOGLE DRIVE	AMAZON 53
It is owned by Google LLC.	It is owned by Amazon.
It was launched in 2012.	It was launched in 2006.
It offers 15 GB free storage space.	It does not offer free storage space.
It was developed by Google.	It was developed by Amazon Web Services (AWS).
The number of users using Google Drive is more.	The number of users using Amazon S3 is less.
It provides full security of data.	It also provides full security of data but comparatively less.
It has the maximum storage size of 30 TB.	It has the unlimited maximum storage size for paid users.
It does not support remote uploading.	Remote uploading is not supported here also.
Maximum file size in Google Drive is 5 TB.	Here the maximum file size is 5 GB.
It supports file versioning.	It also supports file versioning.
It does not require credit-card for free services.	It requires credit-card details for a free trial.

#### **B.2 Conclusion:**

Using an Amazon AWS Free Tier Account, we learned Storage as a Service and how to use the Amazon S3 Service. On AWS, we were able to successfully host a website by using S3 storage.