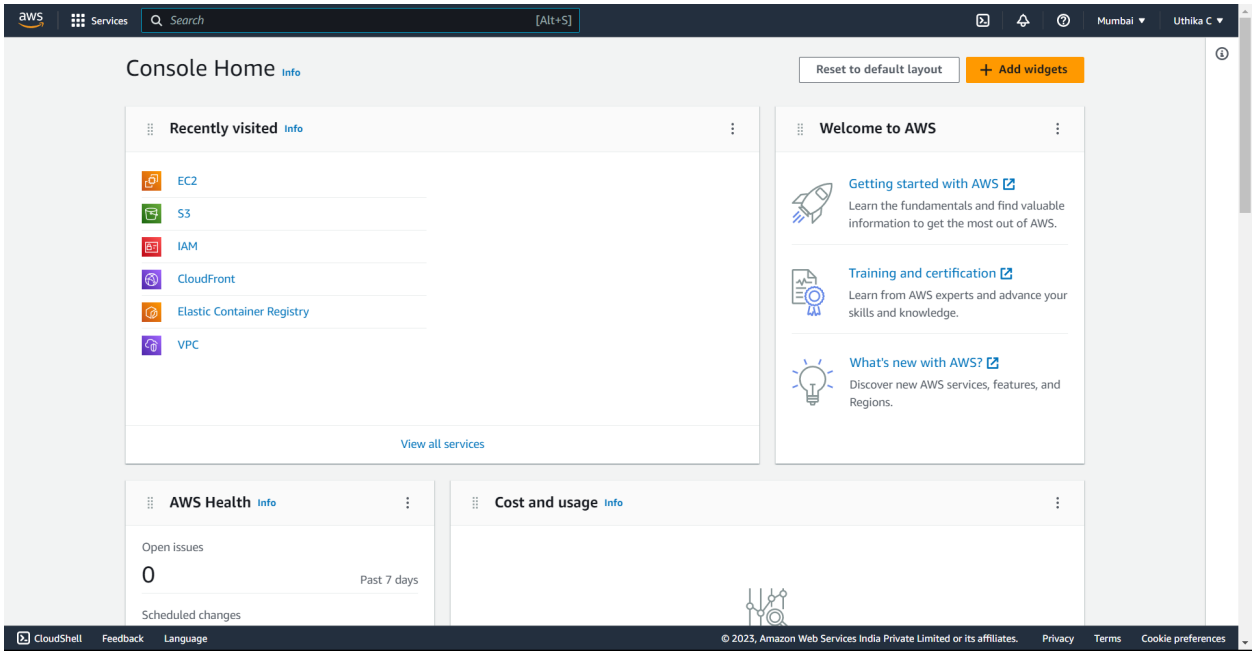
NAME:UTHIKA C
REG NO:727721EUCS173

CLOUD COMPUTING

DAY 1

AWS Account Creation



DAY 2

Question 1

Create a Windows EC2 instance with t2.micro Instance and show the remote connection of that EC2 Instance.

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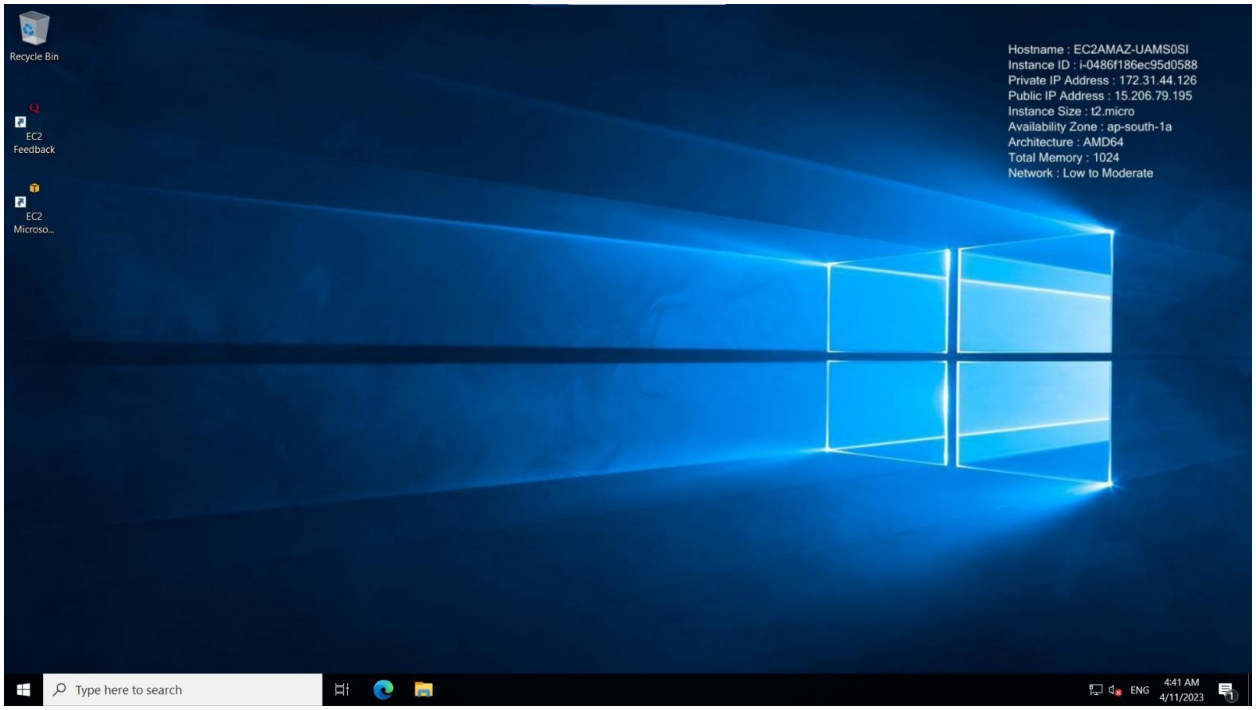
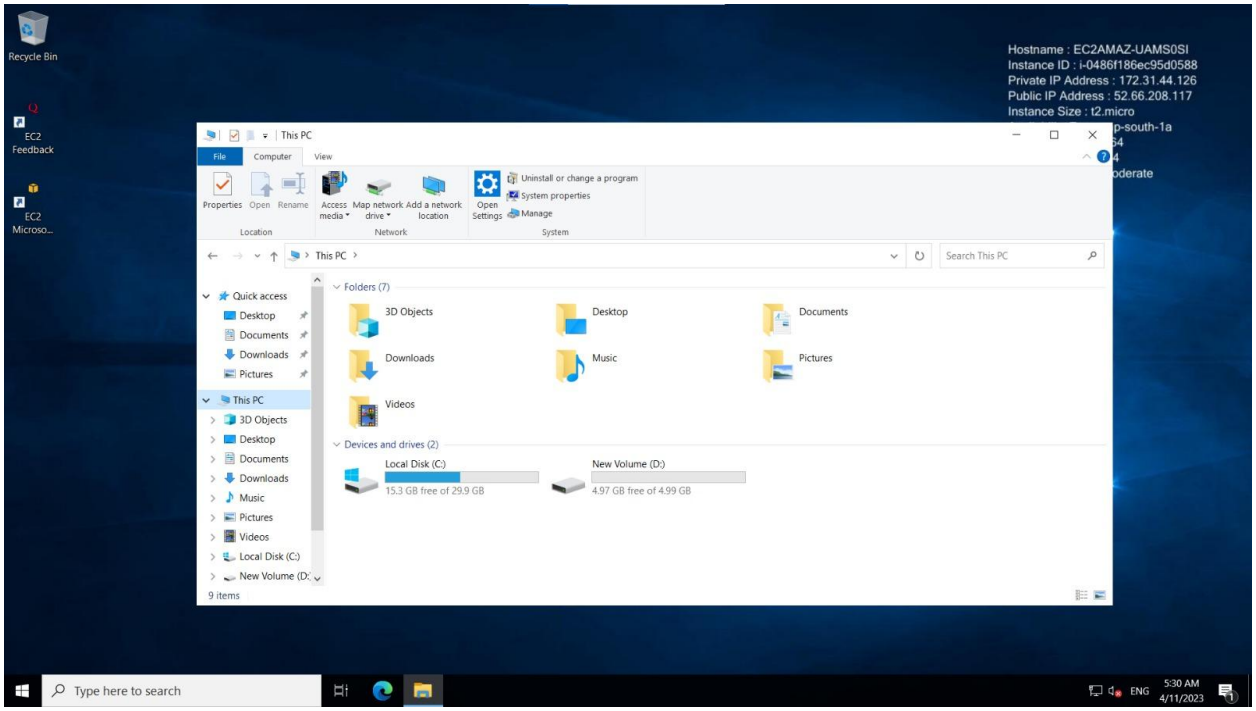


Question 2

Create an EBS volume of 5 GB and attach to a windows EC2 instance and make partition of that EBS volume.



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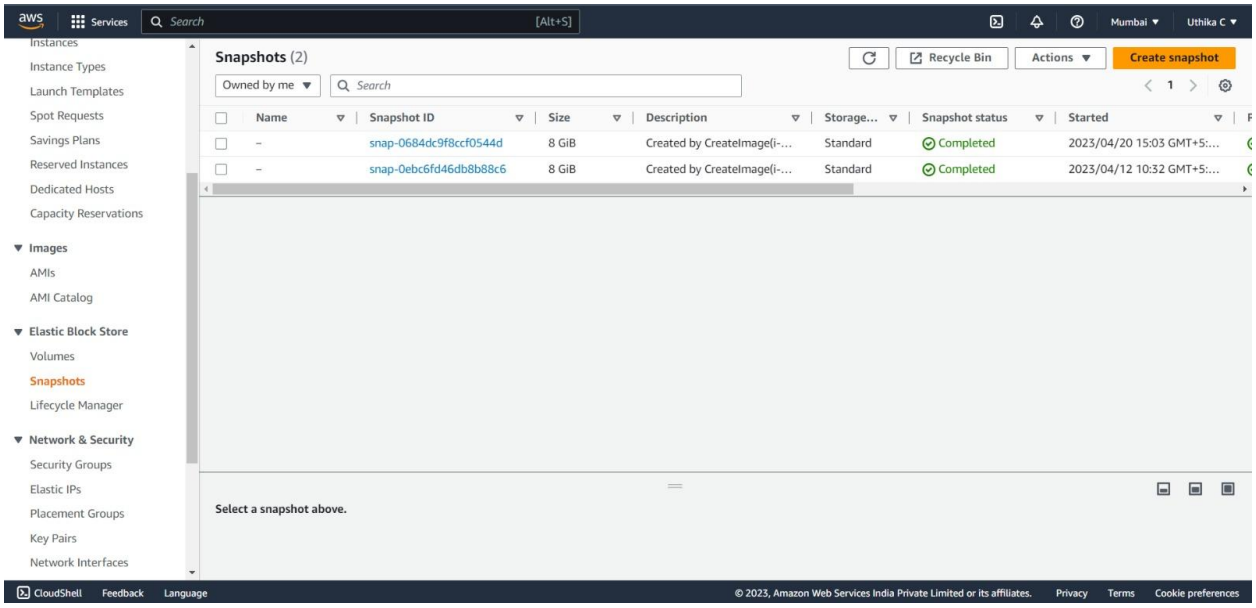
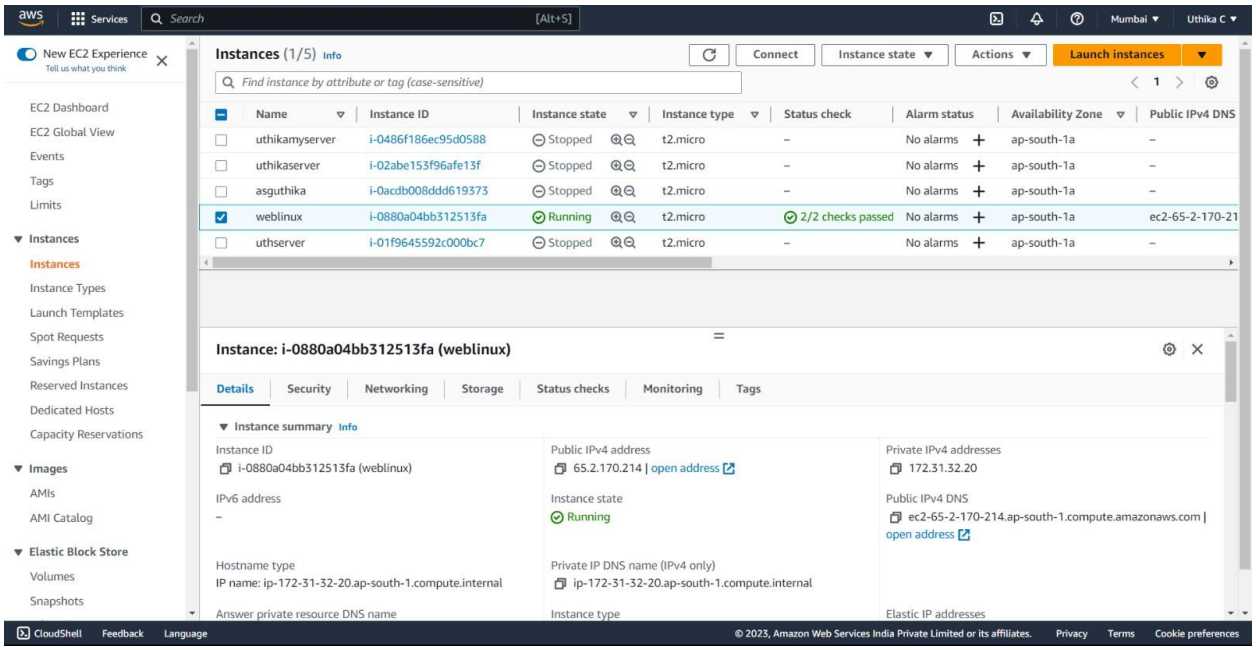
Question 3
Create some files and folders into 5 GB EBS volume of the previous exercise and take a snapshot of that EBS volume.



Question 4
Create a Linux EC2 instance with t2.micro Instance and show the remote connection of that EC2 Instance.



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Question 5
Install, Start and Enable the httpd webservice in that Linux EC2 Instance, then host a static website in EC2.

Question 6
Create Image(MyAMI) of the linux Webserver(from the previous exercise) and launch new EC2 instance from the created Image(MyAMI)

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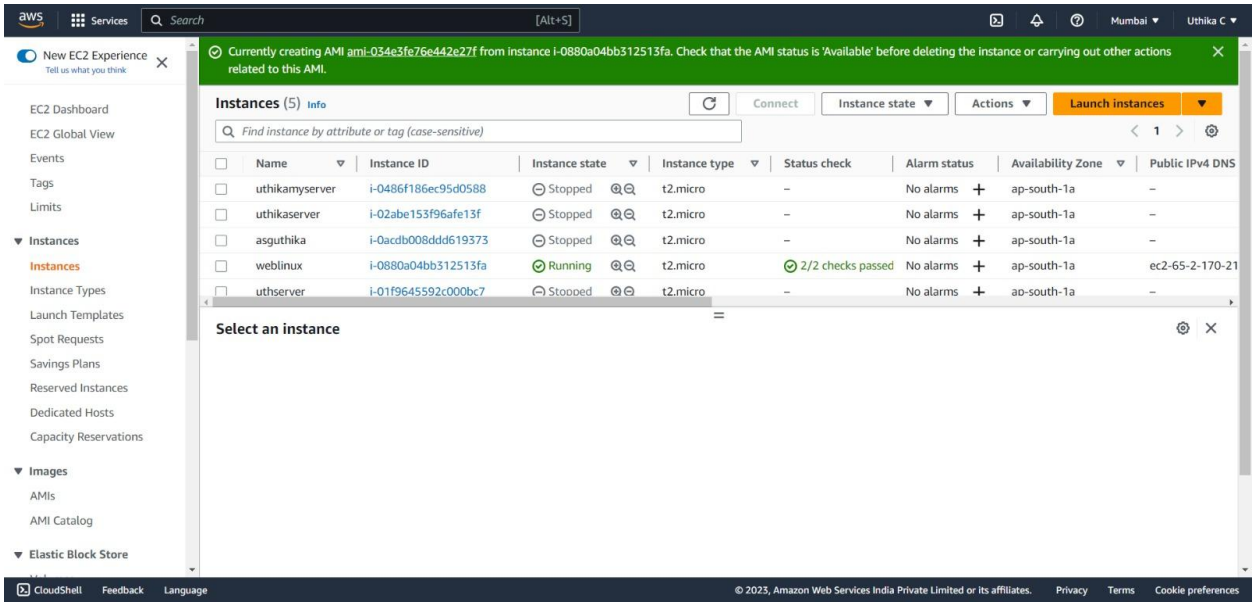
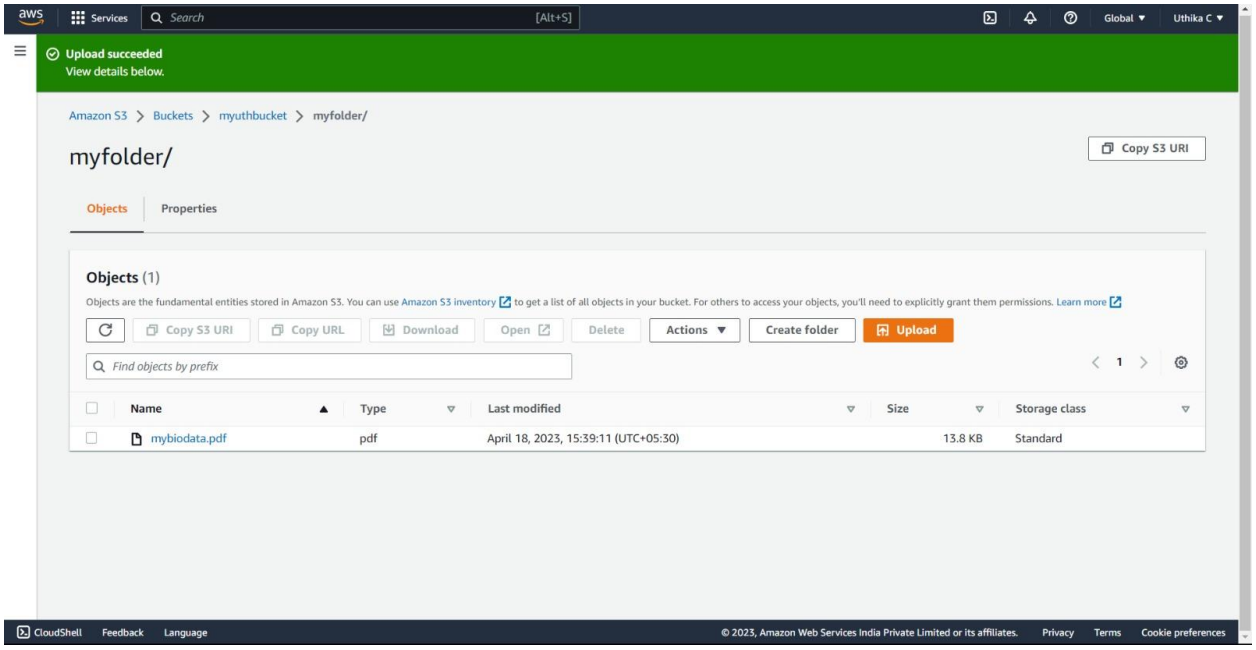


DAY 3

Question 1
Create a S3 Bucket and create a folder in the bucket and upload a file in the folder.



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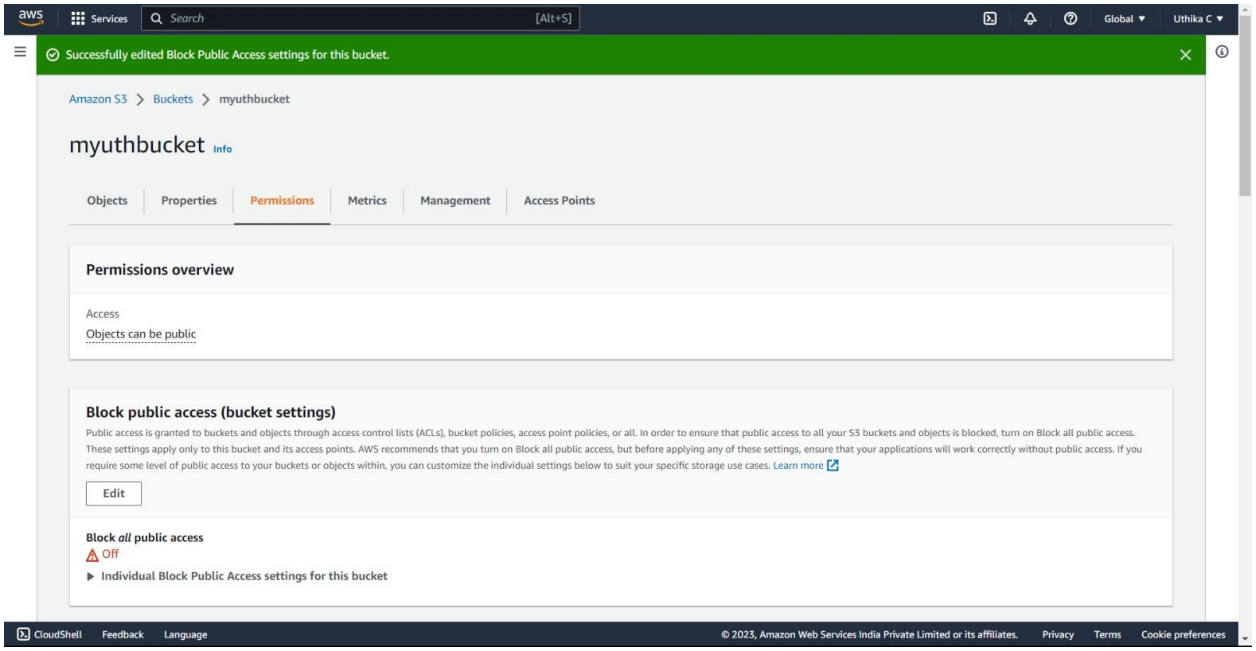
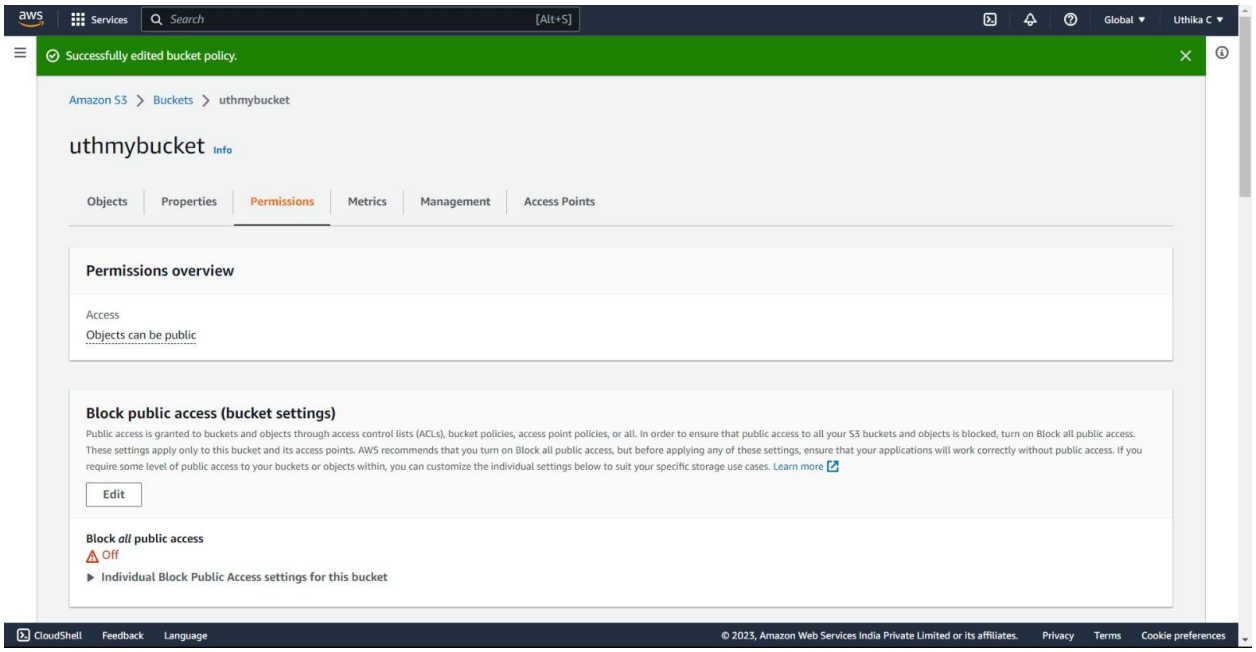
Question 2
Disable "Block Public Access" for the bucket and enable public read access for a file.



Question 3
Create a bucket policy which should deny to read objects under a folder of a bucket.



Question 4
Enable versioning objects for a bucket and upload objects with multiple versions of it.

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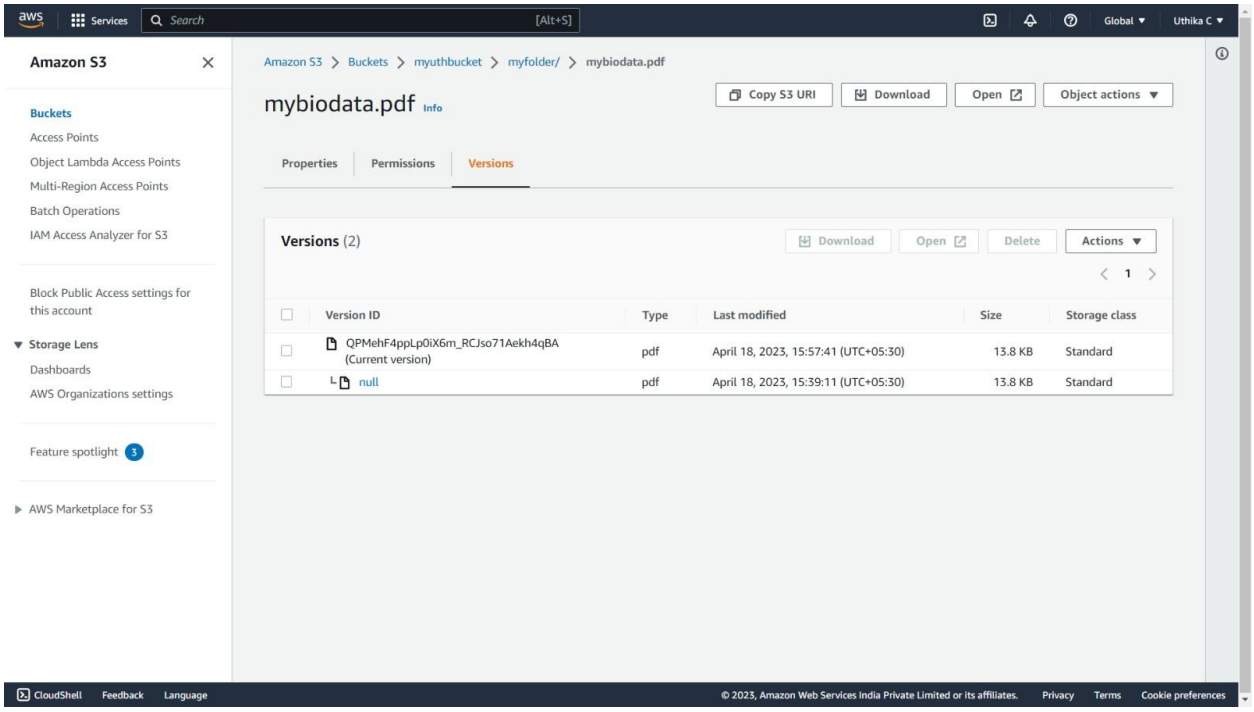

Question 5

Host a static webpage in a bucket itself by using static website hosting feature of it.

Question 6

Enable a lifecycle management rule between various storage classes for a S3 bucket.

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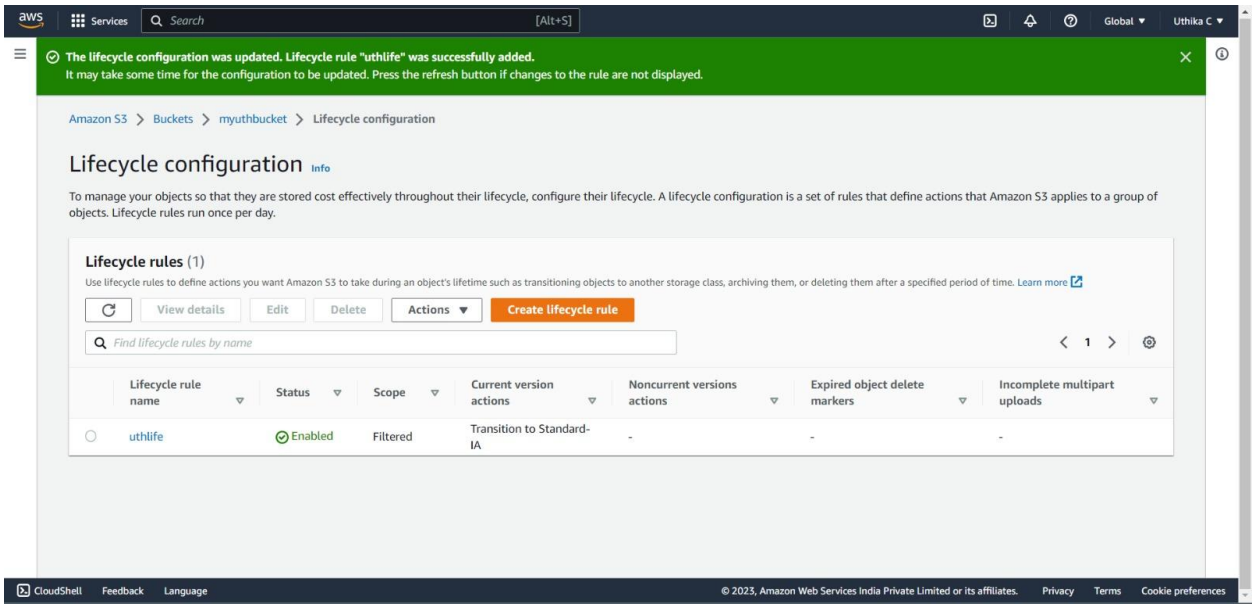
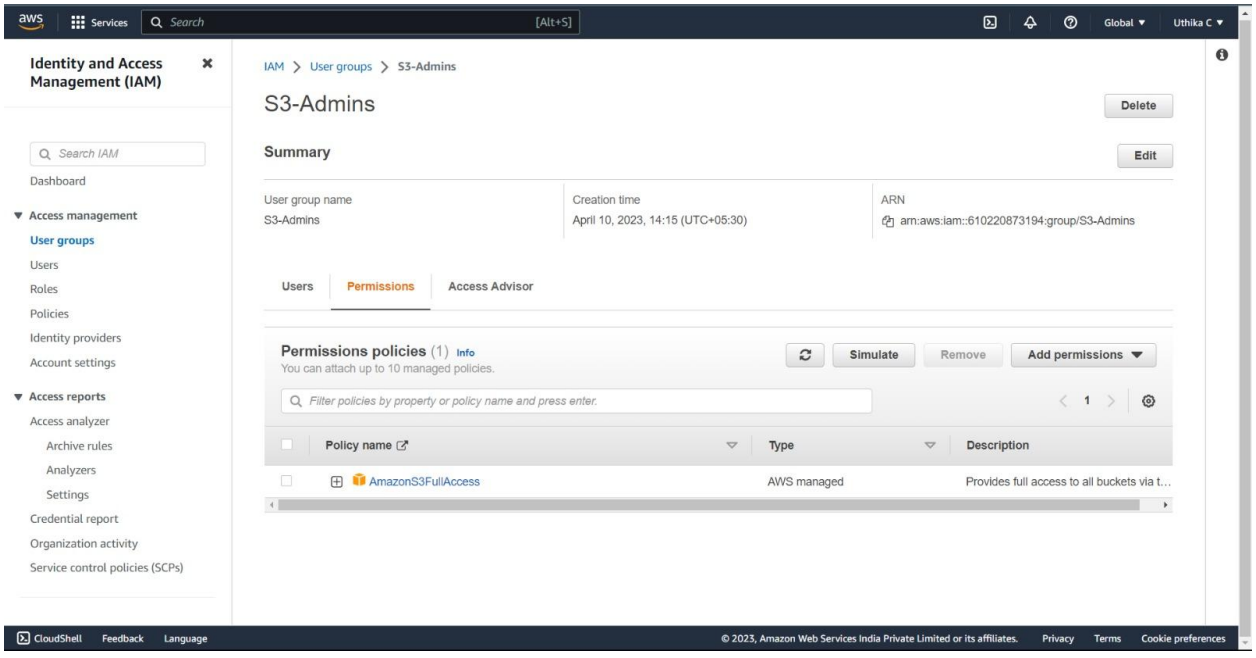


DAY 4

Question 1
Create an IAM group called as ‘S3-Admins’ with ‘AmazonS3FullAccess’.



Question 2
Create an IAM user called as ‘S3Admin1’ and add it to the ‘S3-Admins’ group.

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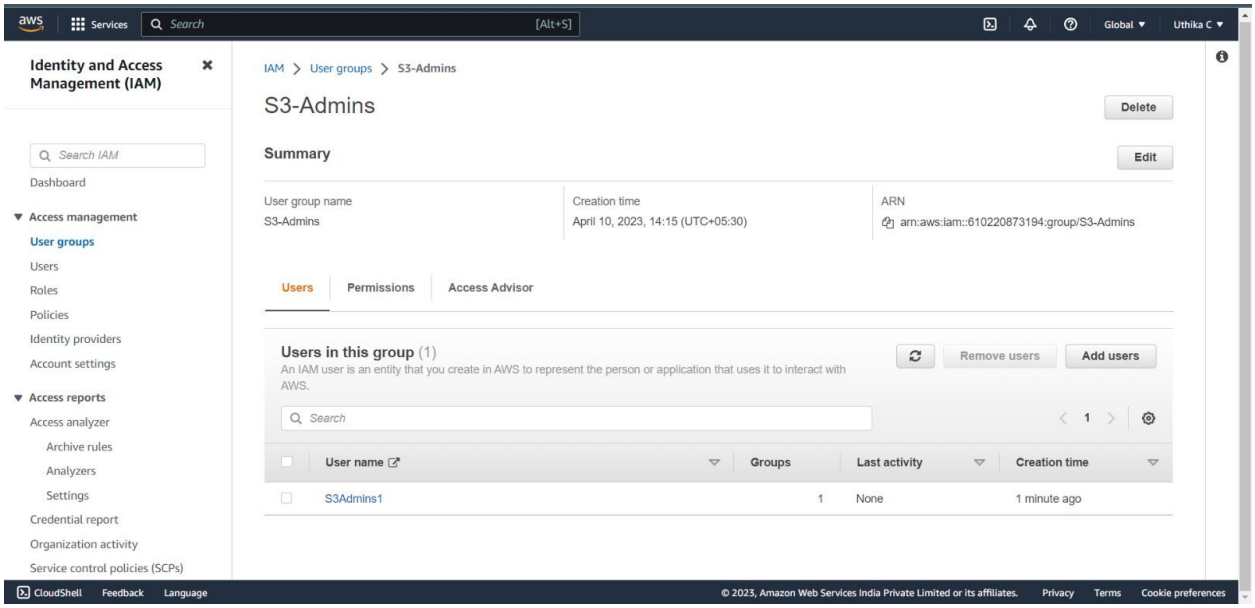
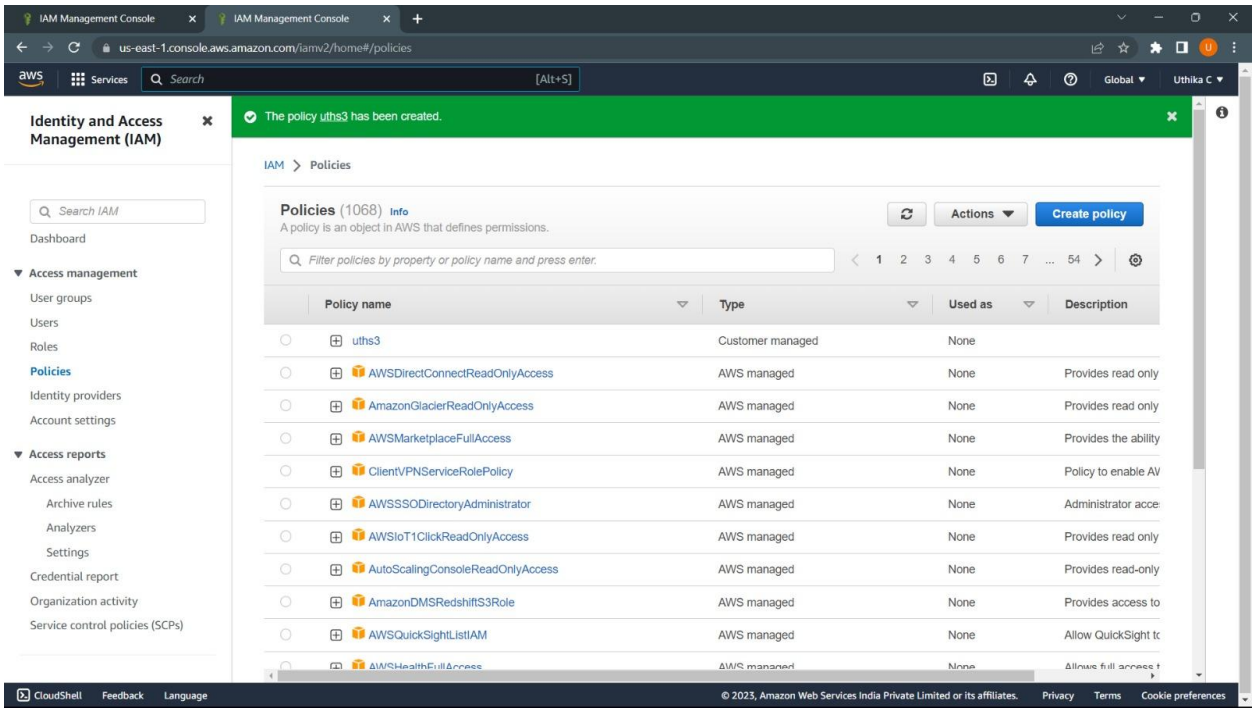


Question 3
Attach an IAM custom policy to the ‘S3-Admins’ group which should deny to delete objects.



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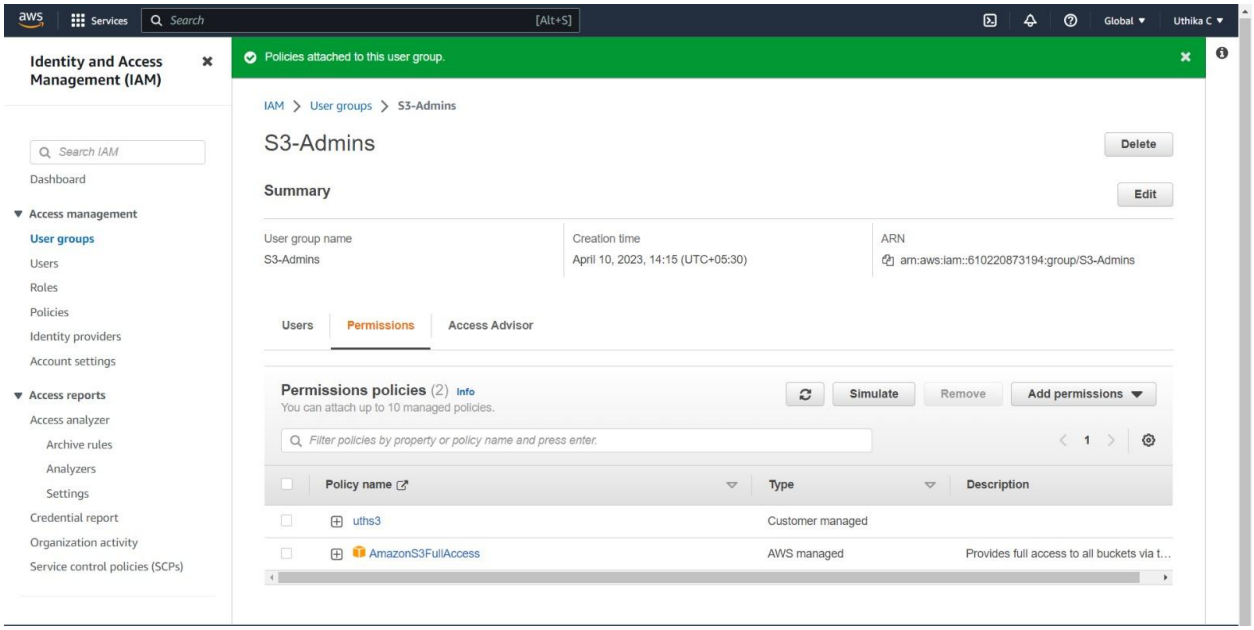
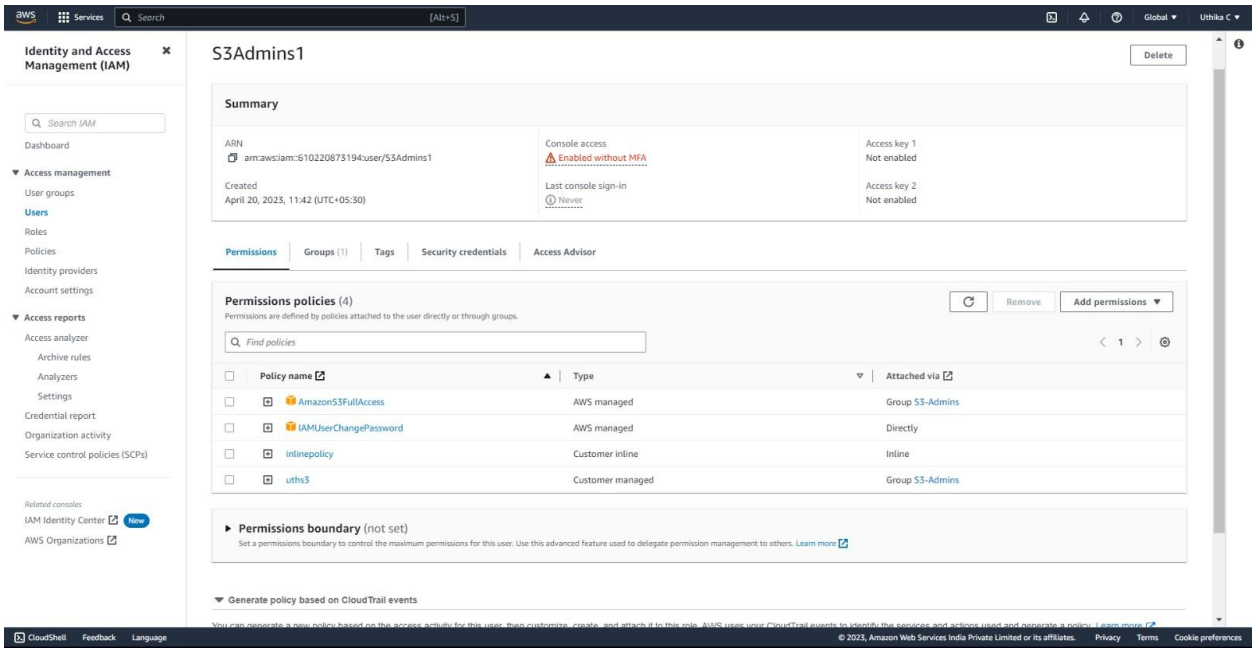


Question 4
Create an Inline policy for an IAM user and set some permission boundary for that user.



Question 5
Create an IAM role with ‘AmazonS3FullAccess’ and attach the role to an EC2 instance.

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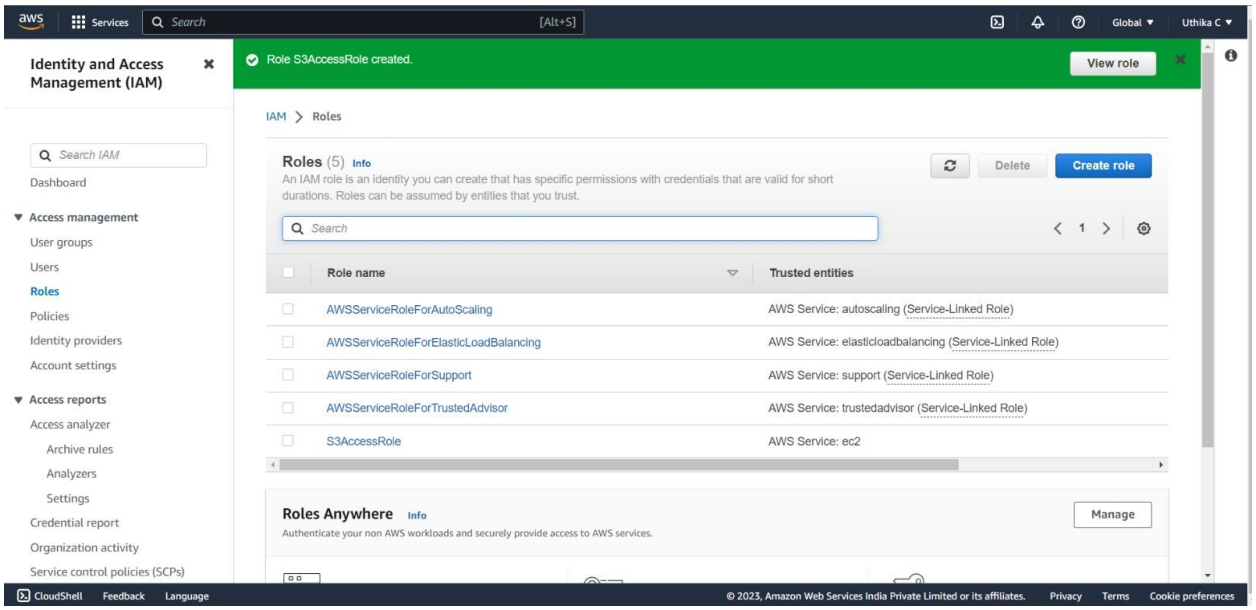
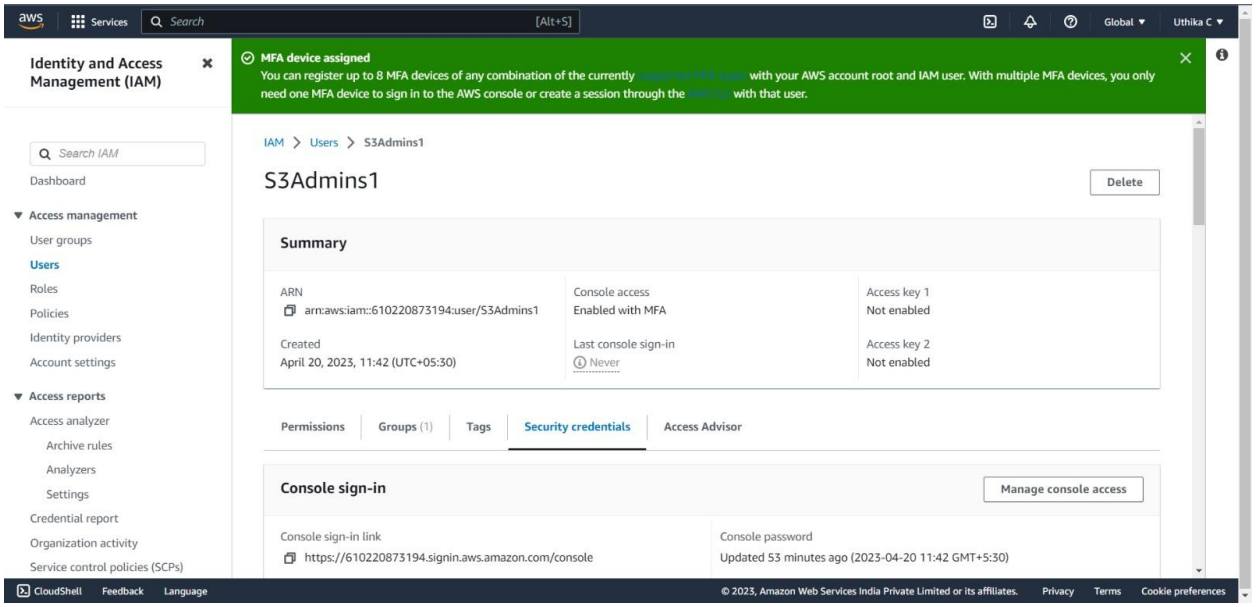


Question 6
Activate MFA for an IAM user and Set some Password Policies such as 1 uppercase, 1 lowercase etc



DAY 5

Question 1
Create a launch template with a custom AMI and t2.micro instance type

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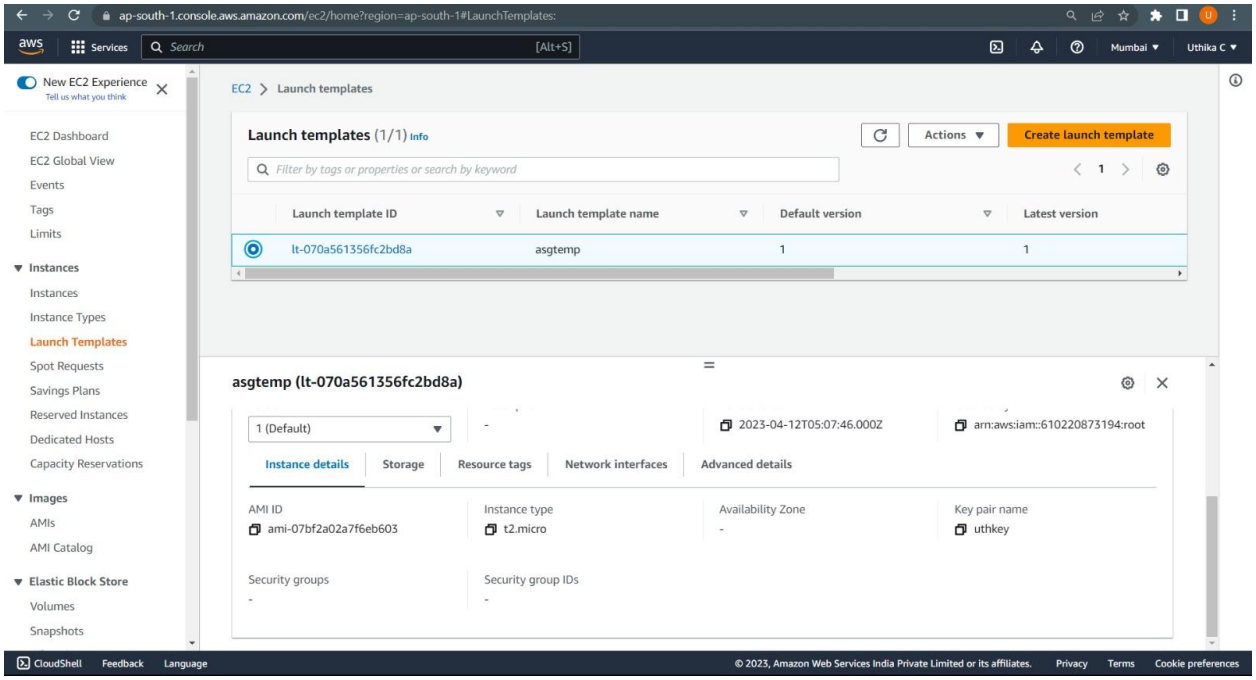
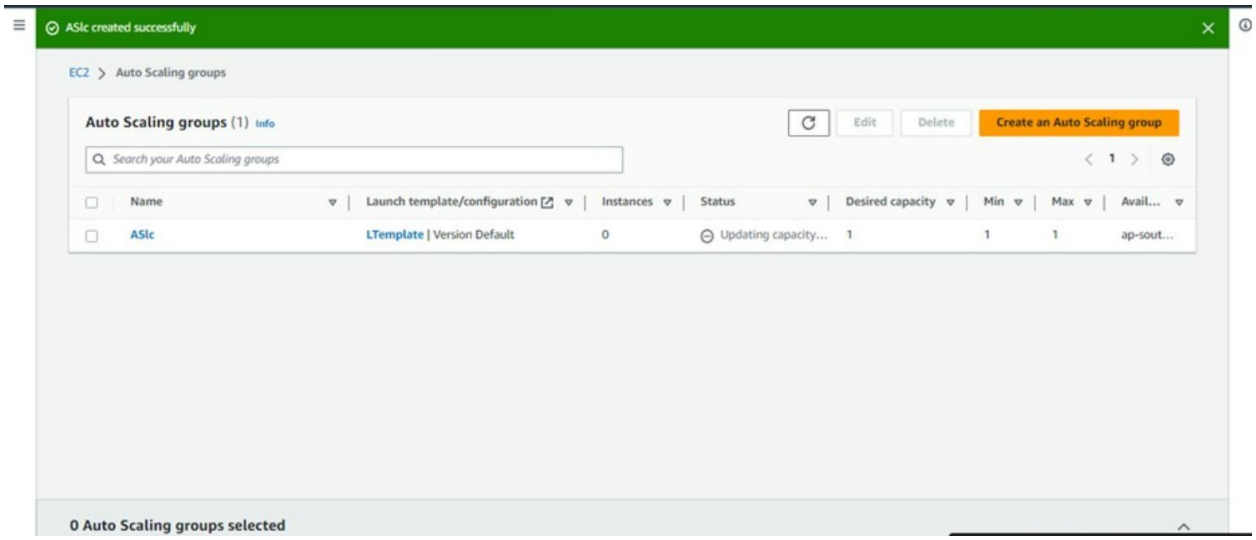


Question 2
Create an autoscaling group with the above-created launch template



DAY 6

1)Create a VPC with multiple subnets(at least 1 subnet in each zone)

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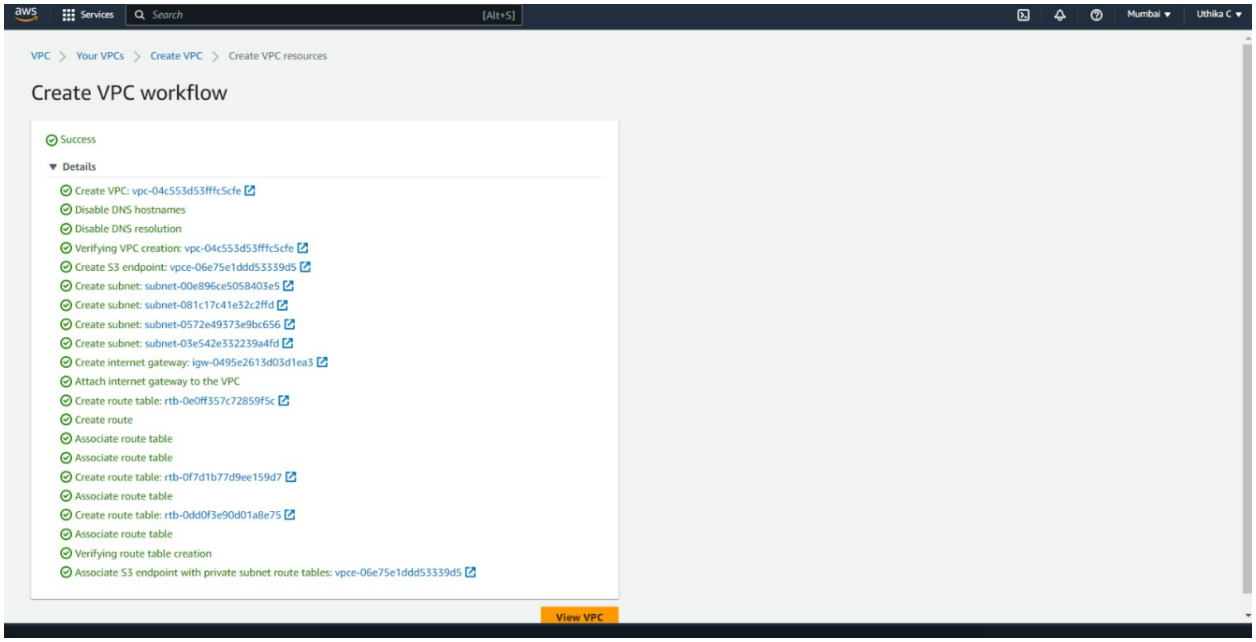
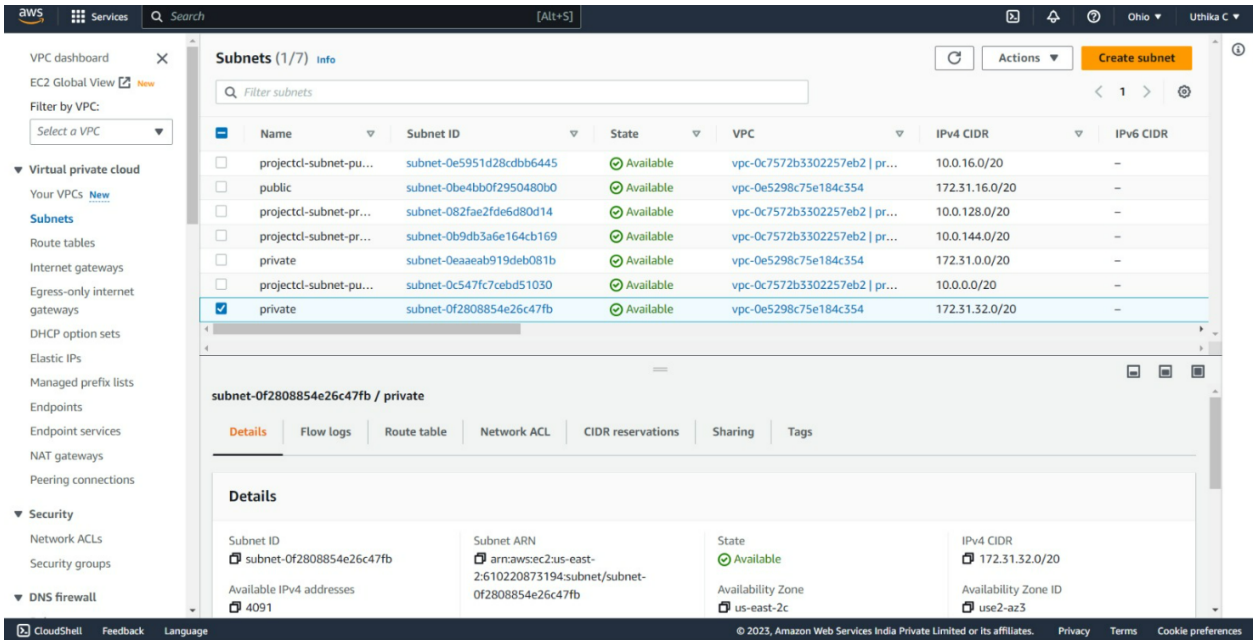


2)Make 1 public subnet and 2 private subnets in the created VPC



3)Make internet connection using NAT gateway for the 2 private subnets.

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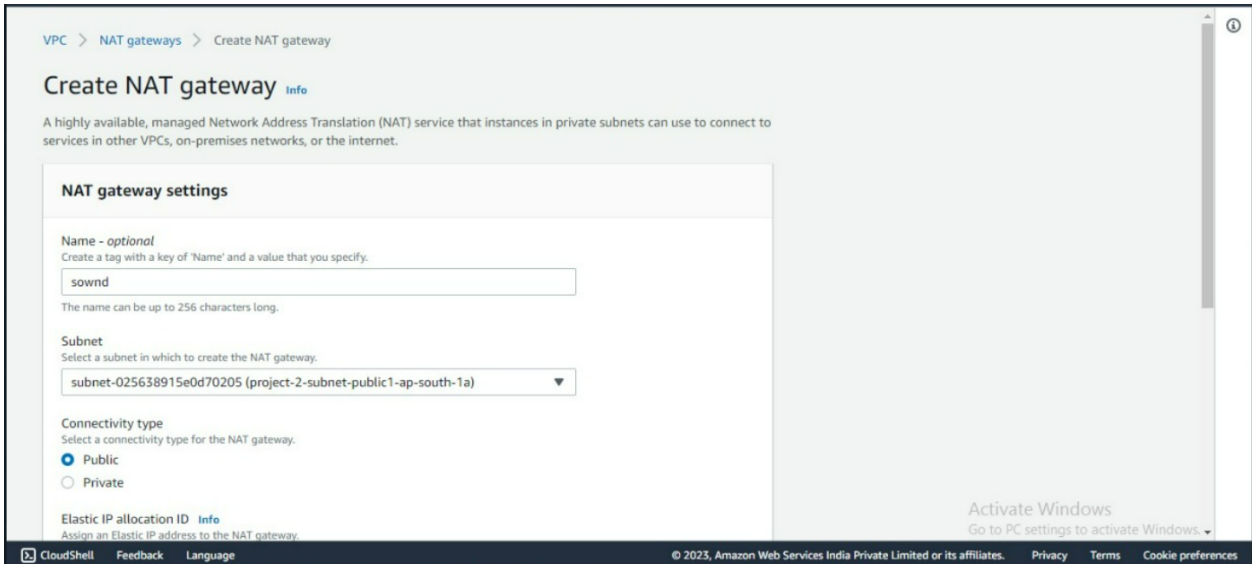
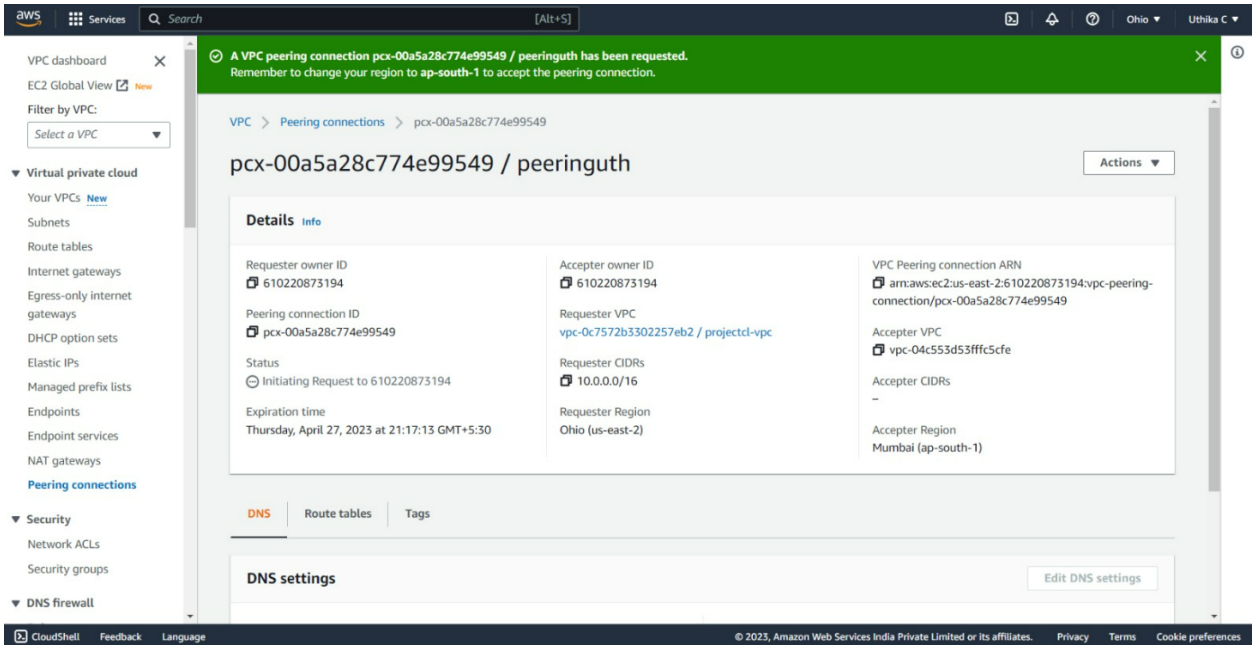


4)Create a VPC peering connection between 2 different VPCs from 2 different regions.



5)Create VPC peering connections for 3 different VPCs from the same region

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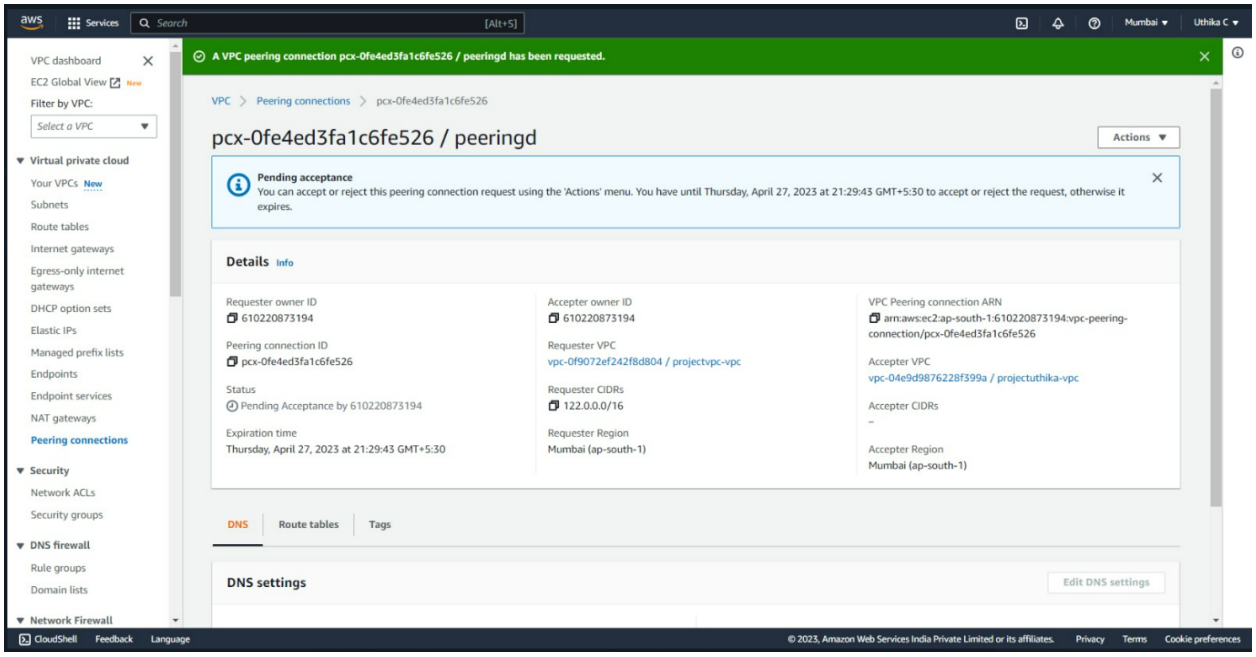

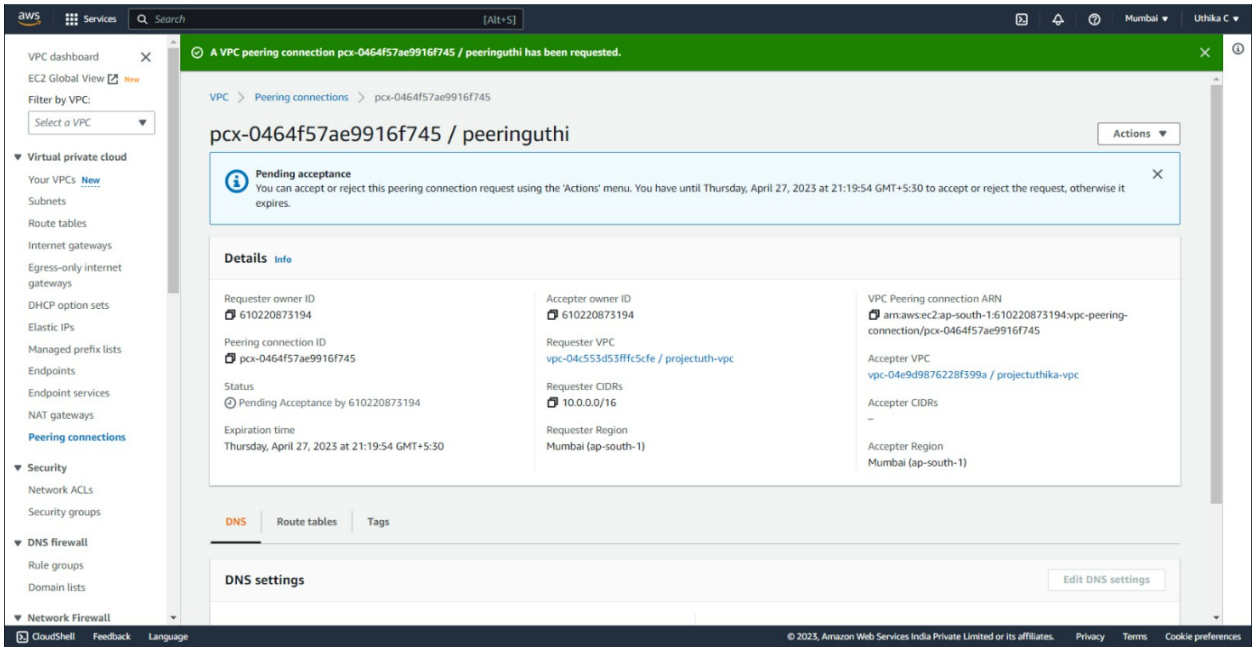

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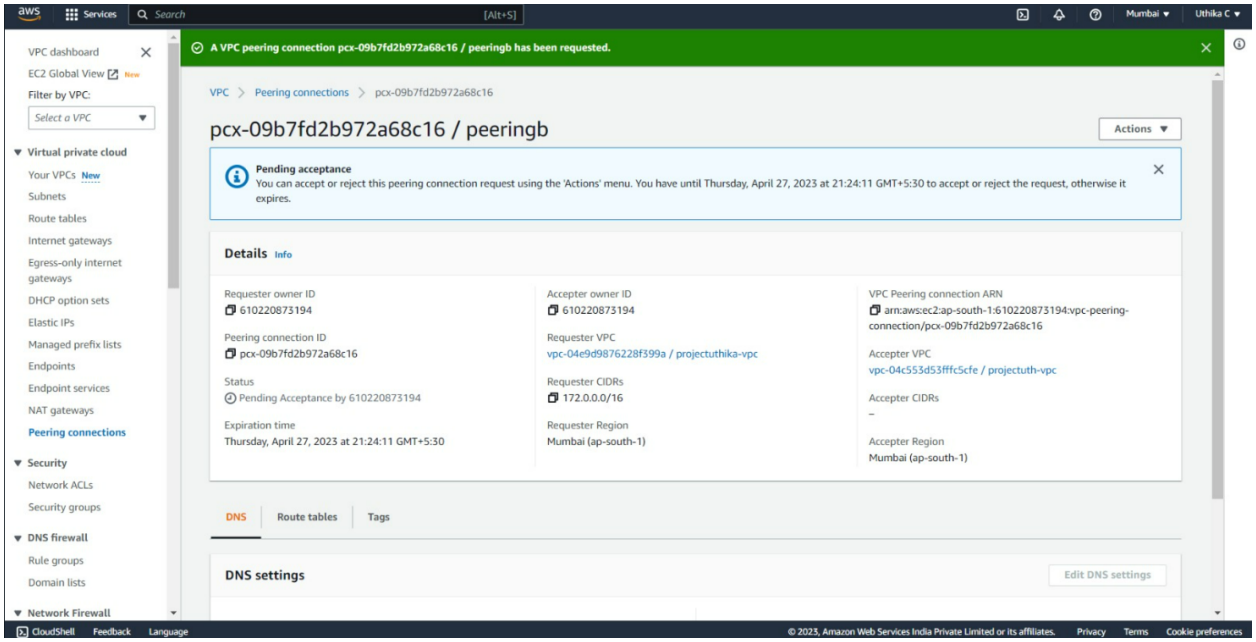

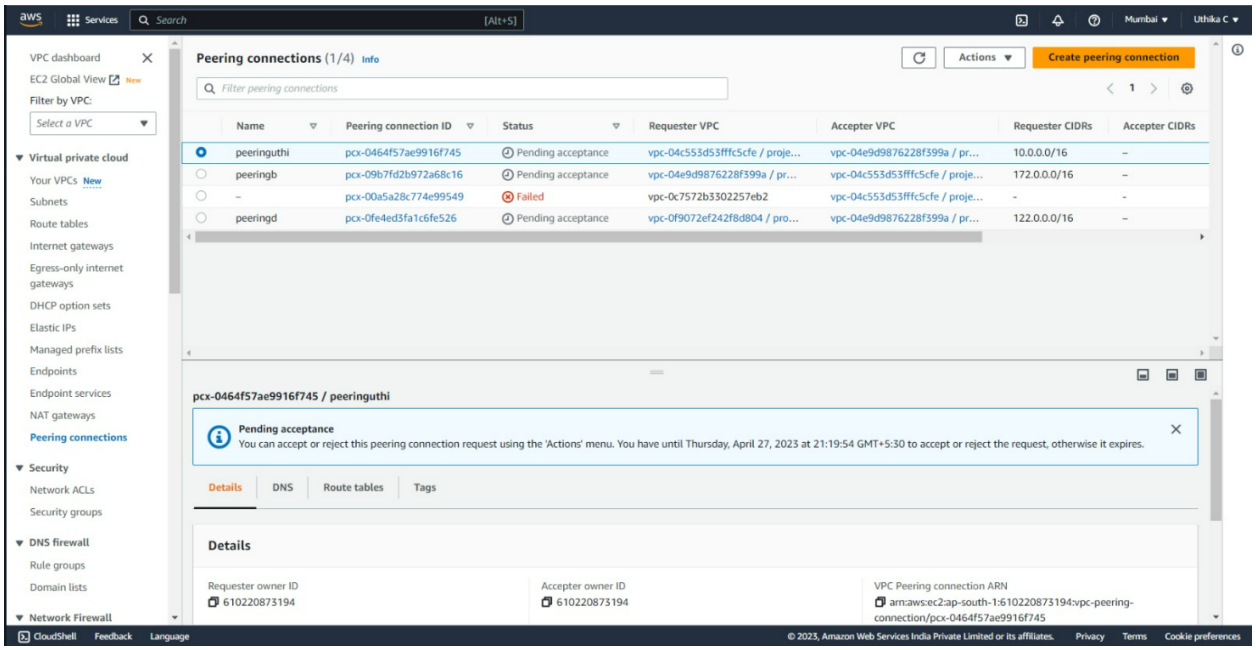

6)Create VPC peering connections for 3 different VPCs from the same region

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