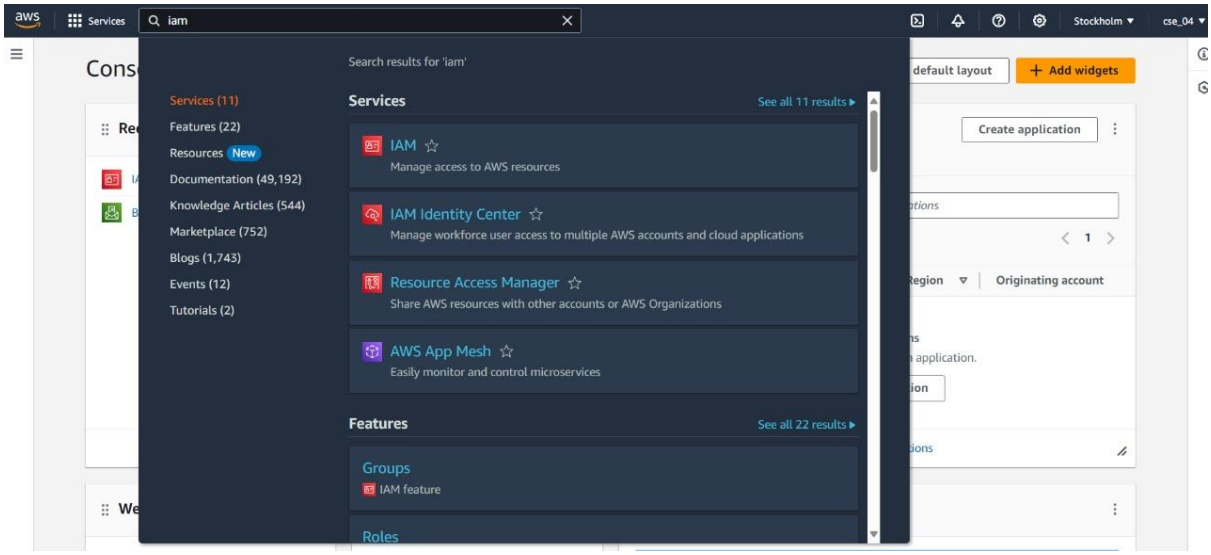
Assignment 3:

Problem Statement: Create IAM user and give full access to S3.

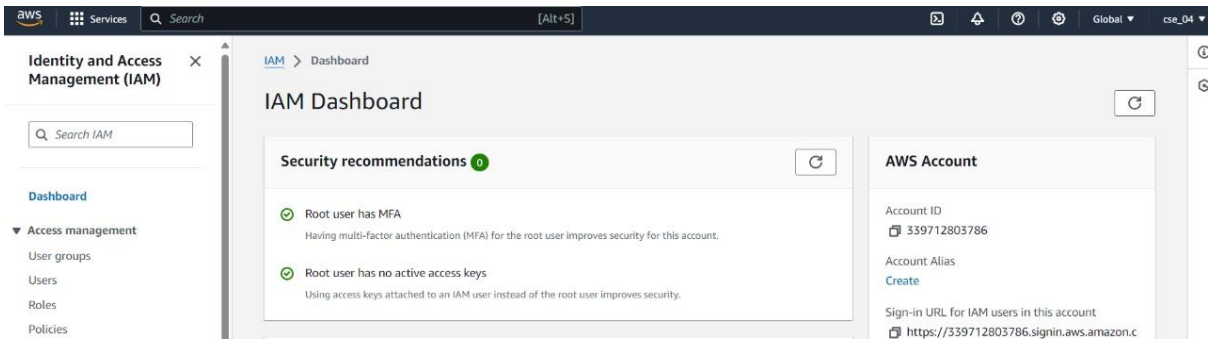
Steps:

Still now we were using Root user which has full control. It is like project manager and IAM (Identity and Access Management) users are like team members. They have to assigned with one or more than one particular tasks. If IAM is given full access with S3(Simple Storage Services) then it can't access EC2(Elastic Compute Cloud) or RDS (Relational Database Service). So the steps of this assignment are -

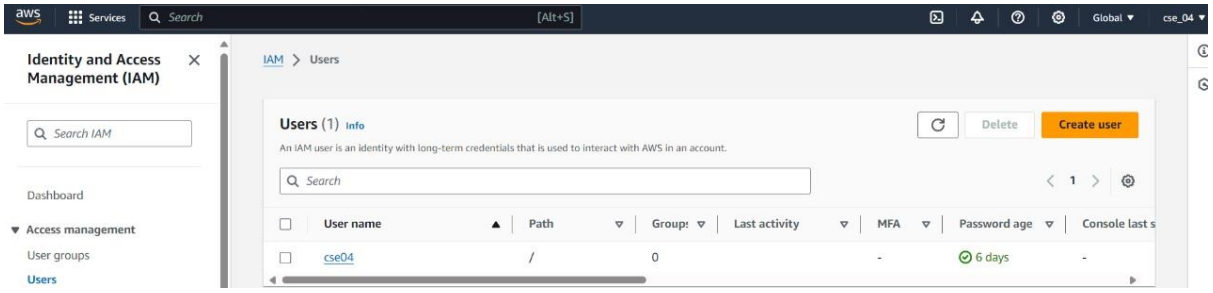
a) At first search **IAM** and click on **IAM** option.



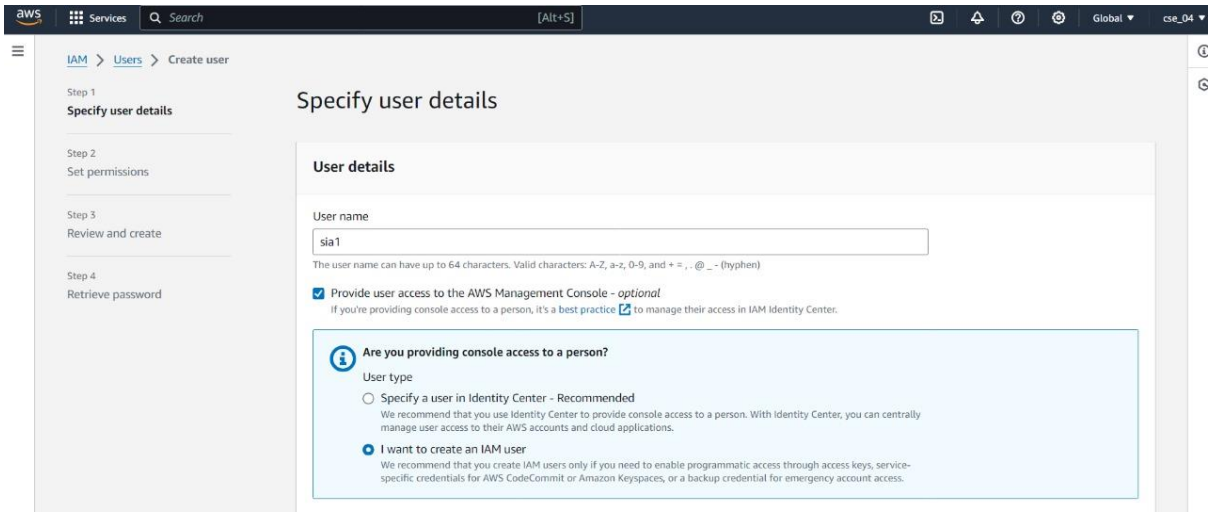
b) Now go to **Access management** and click on **Users.**



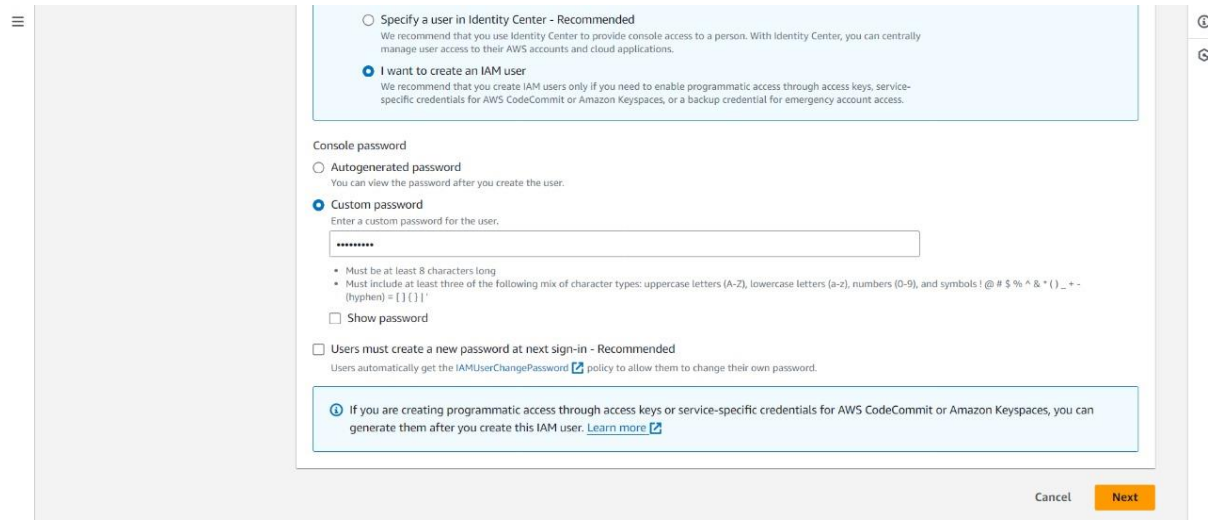
c) Now click on **Create user.**



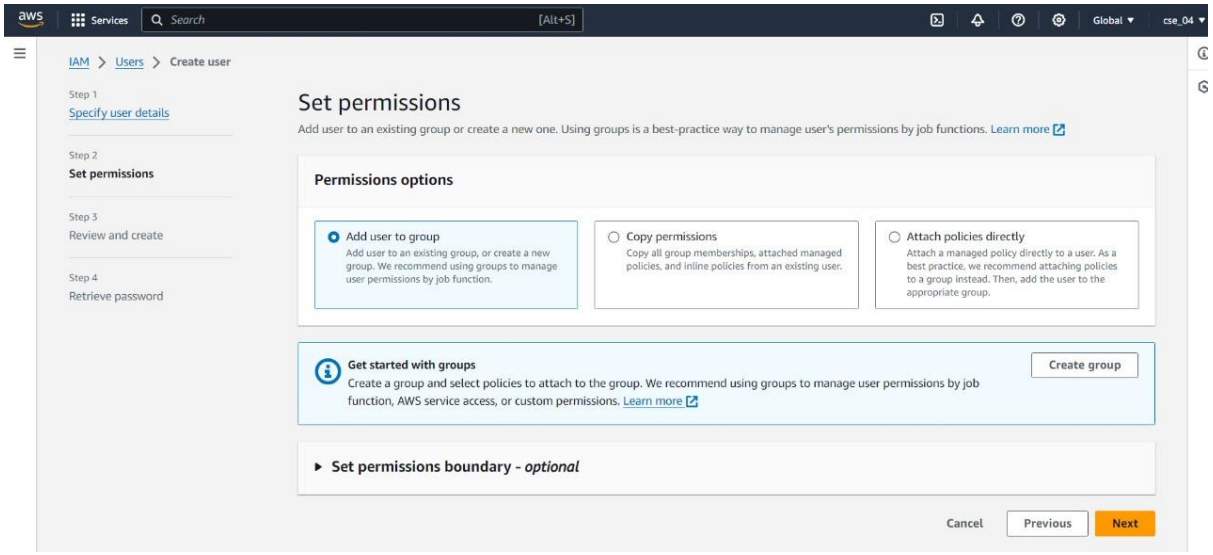
d) Now give **username** and click on check box stating **'Provide user access to the AWS Management Console – optional '.** After that click on **I want to create an IAM user.**



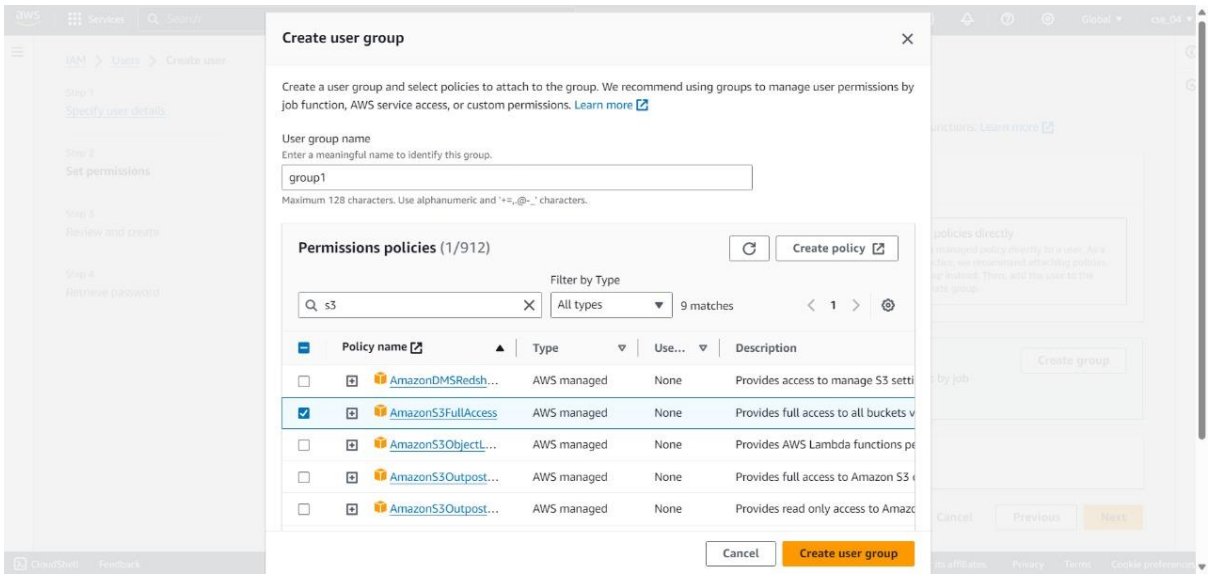
e) Now click on **Custom password** and give password following the rules mentioned bellow and now uncheck the option **stating Users must create a new password at next sign-in – Recommended.** Now click on **next** option.



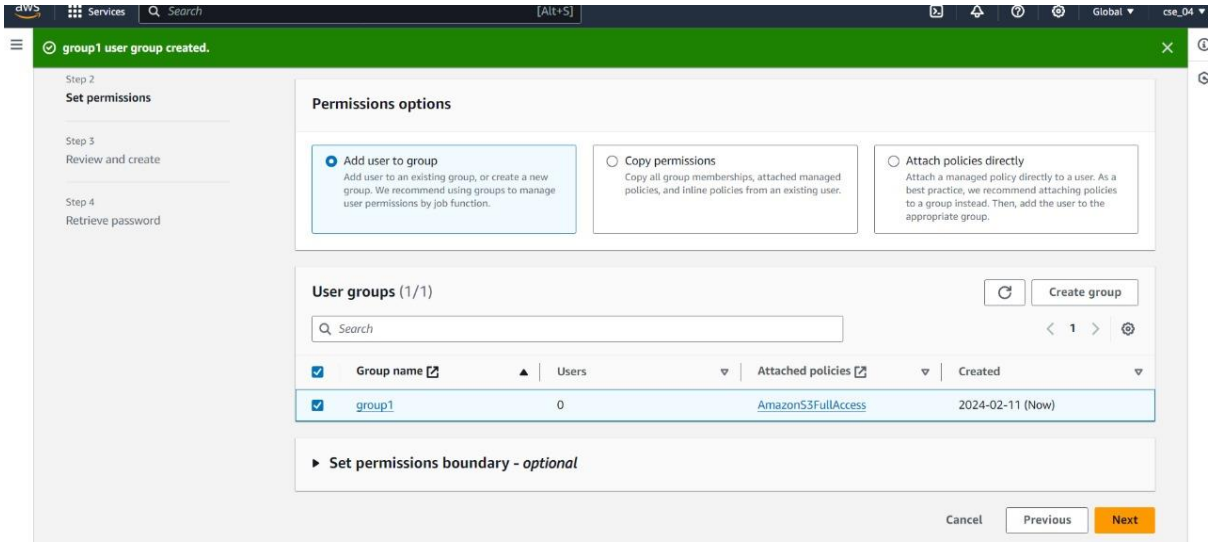
f) Now click on **Create group.**



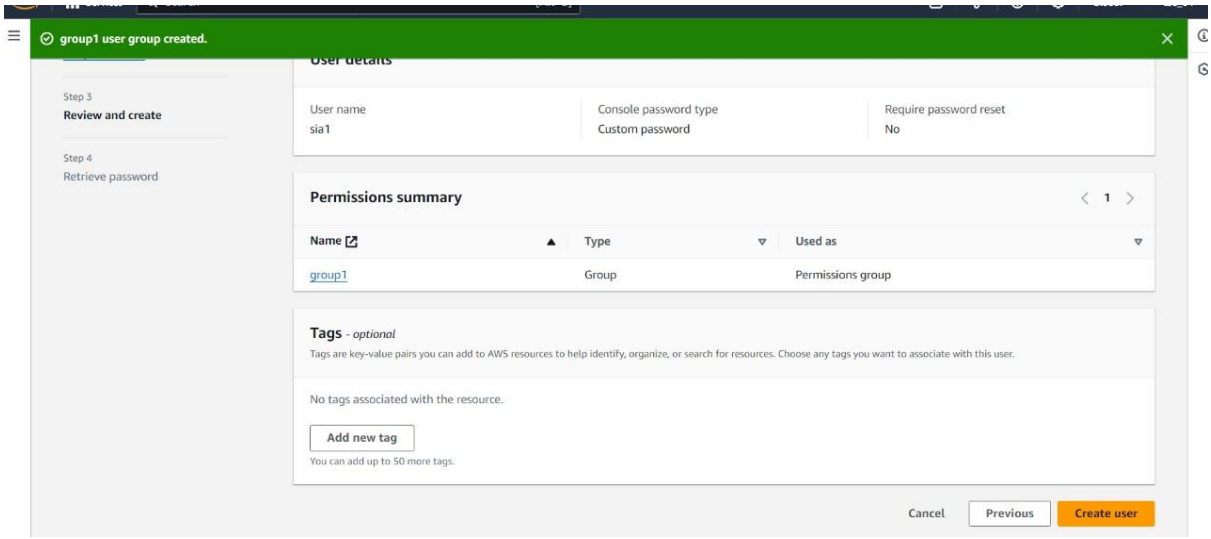
g) Now give **username** for user group. After this in **Permissions policies** search **s3** and search **Amazons3fullaccess** in Policy name not in Description. Click on searched checkbox and now click on **Create user group**.



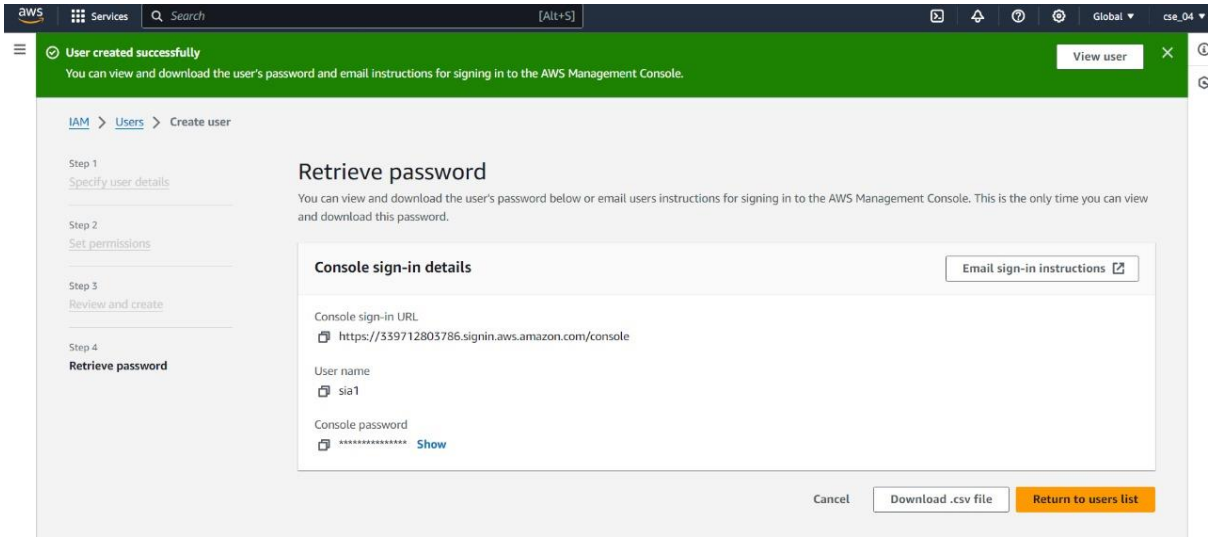
h) After it our first user group will be created. Now click on **Group name's checkbox** and then click on **Next**.



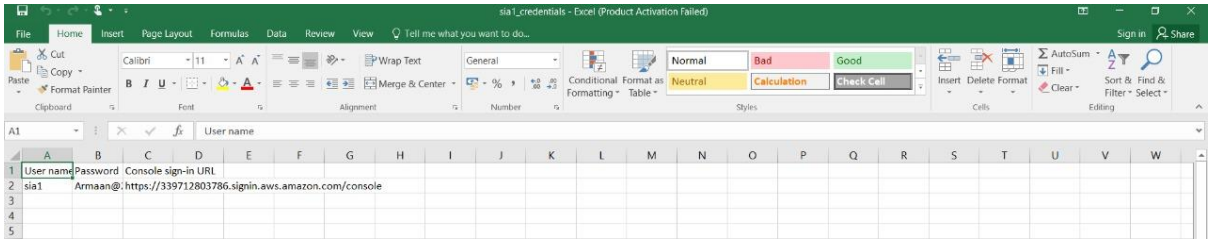
i) Now again click on **Create user.**



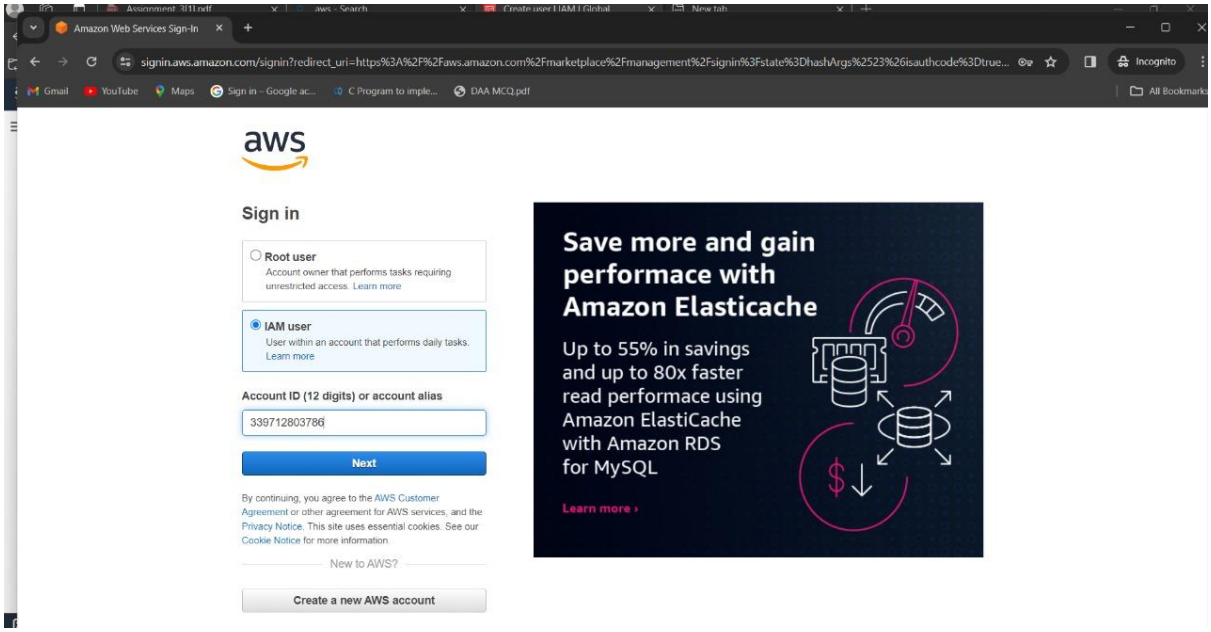
j) Now user will be created successfully. Now **download .csv file** and click on **Return on user list.**



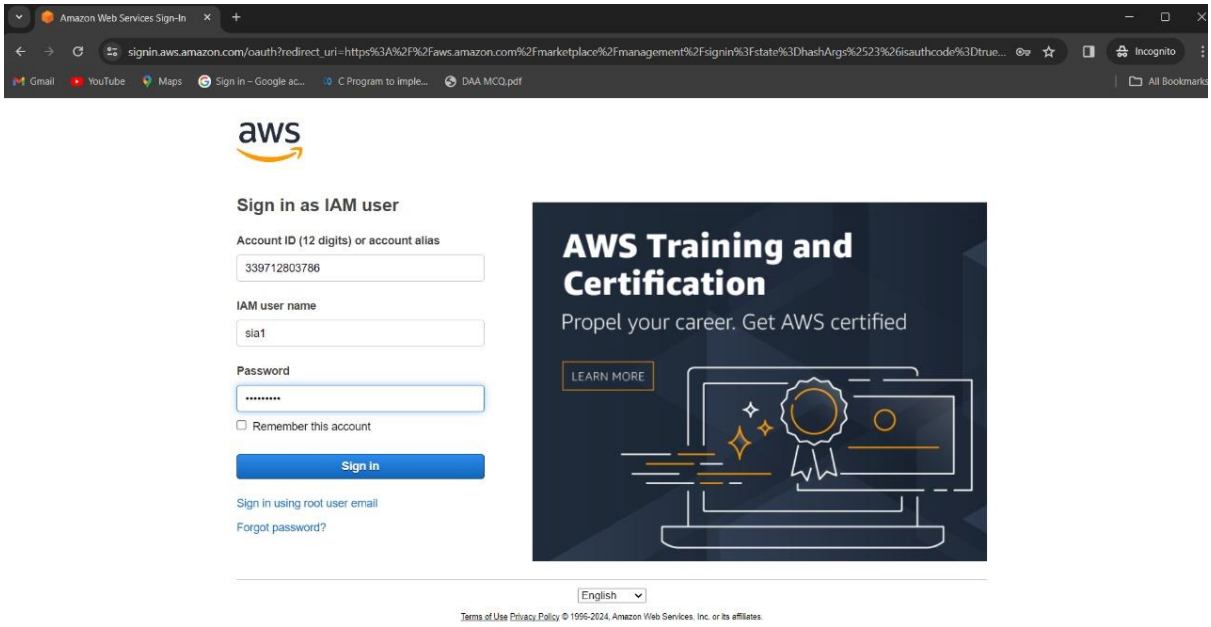
This is .csv file content:



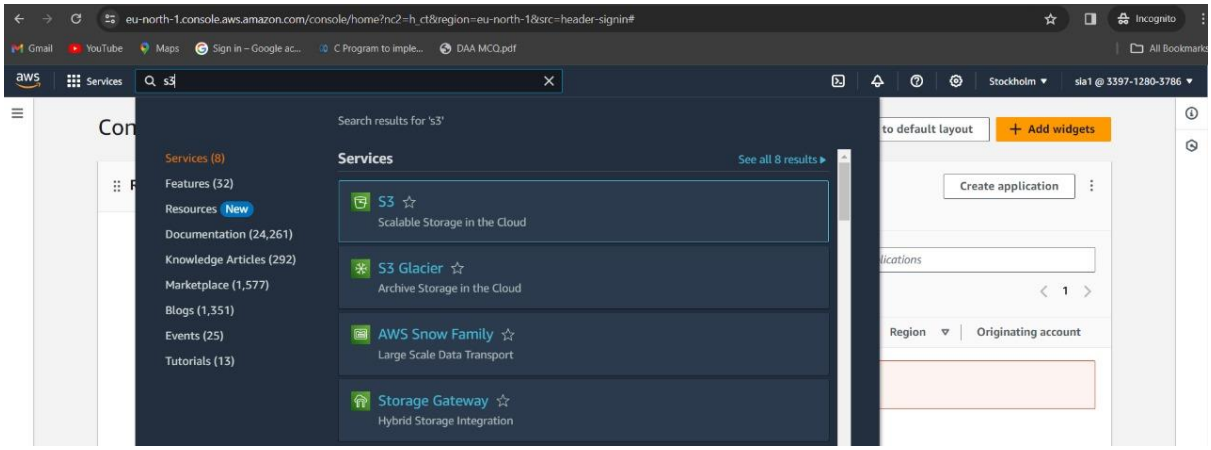
k) Now go to **incognito mode** and search **amazon console login**. Click **on IAM user** and give **12 digit Account ID** from that .csv file. Click on Next.



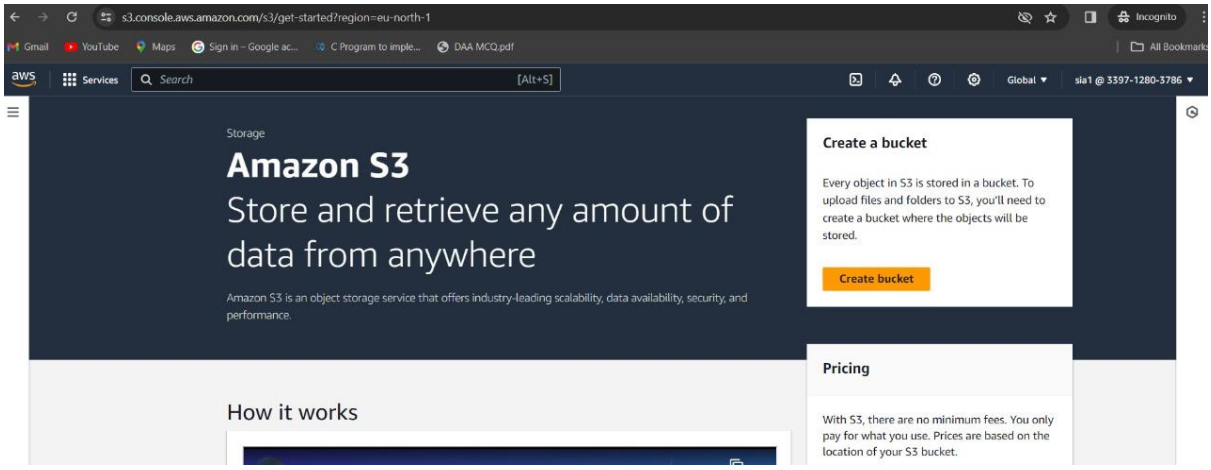
l) Now give **IAM user name** and **Password** from that .csv file. Click on **sign in.**



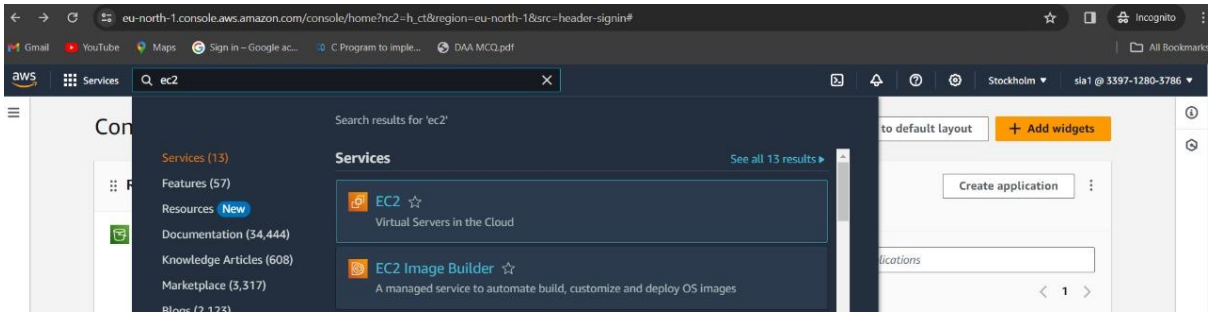
m) Now search **S3** in AWS console and click in **S3**.

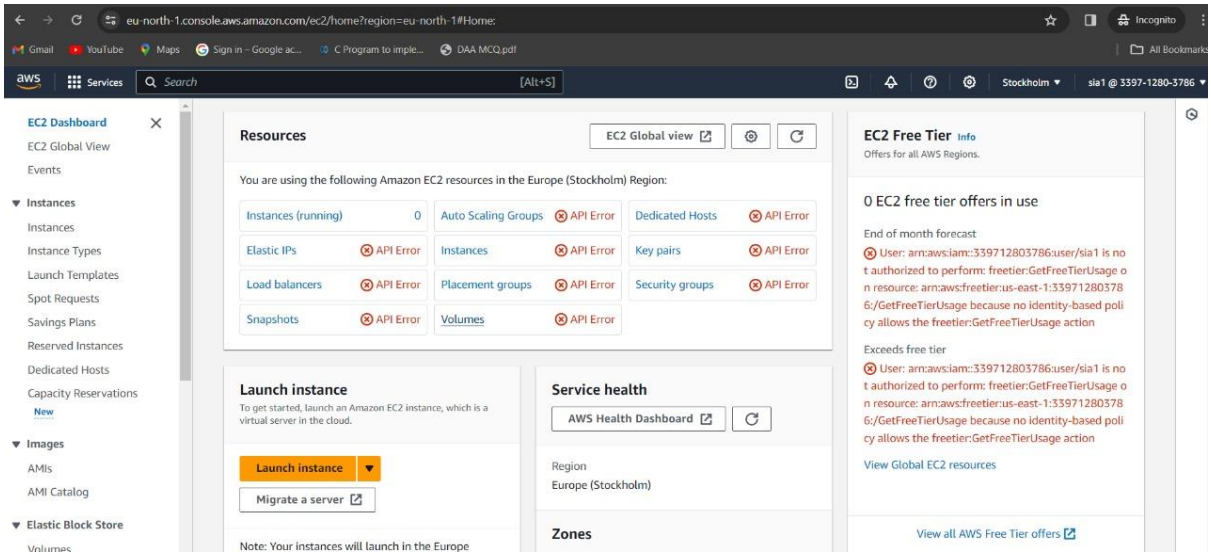


n) S3 window will be opened and there is a option of **Create bucket**. In this bucket we can apply static website, file, folder.

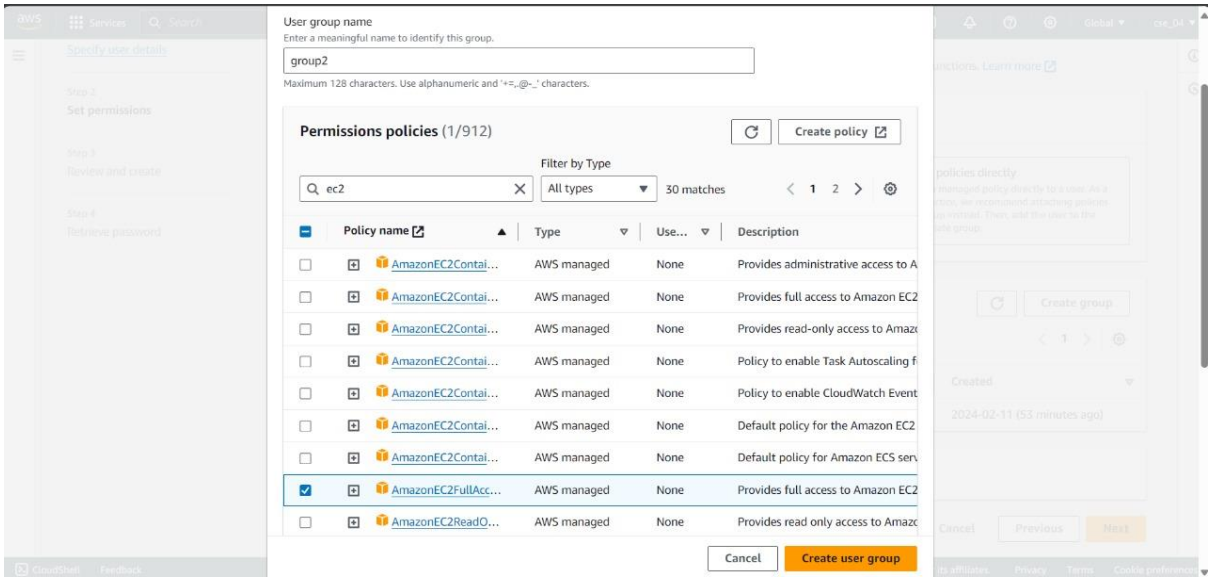


o) Now back to console and search **EC2** like S3 and press on **EC2**. You can see API errors are occurring as only s3 access was given to this user not EC2.

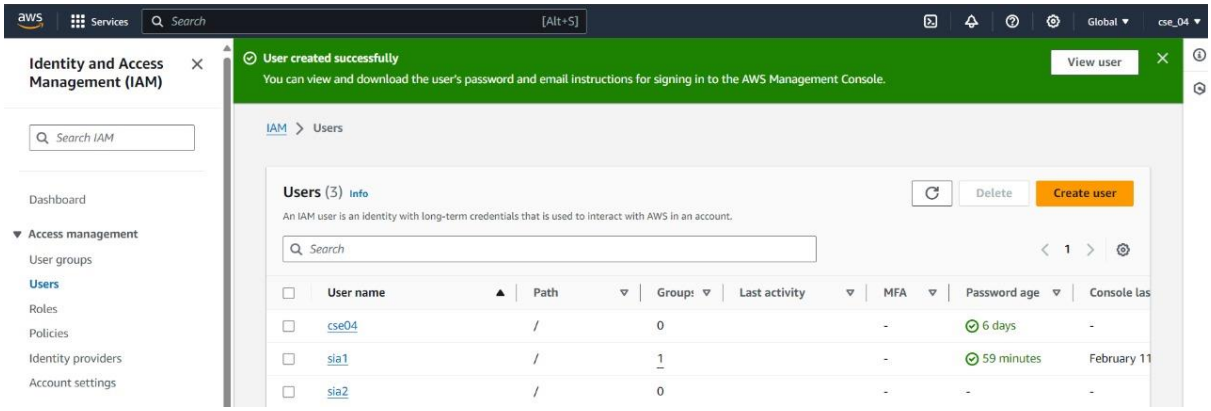




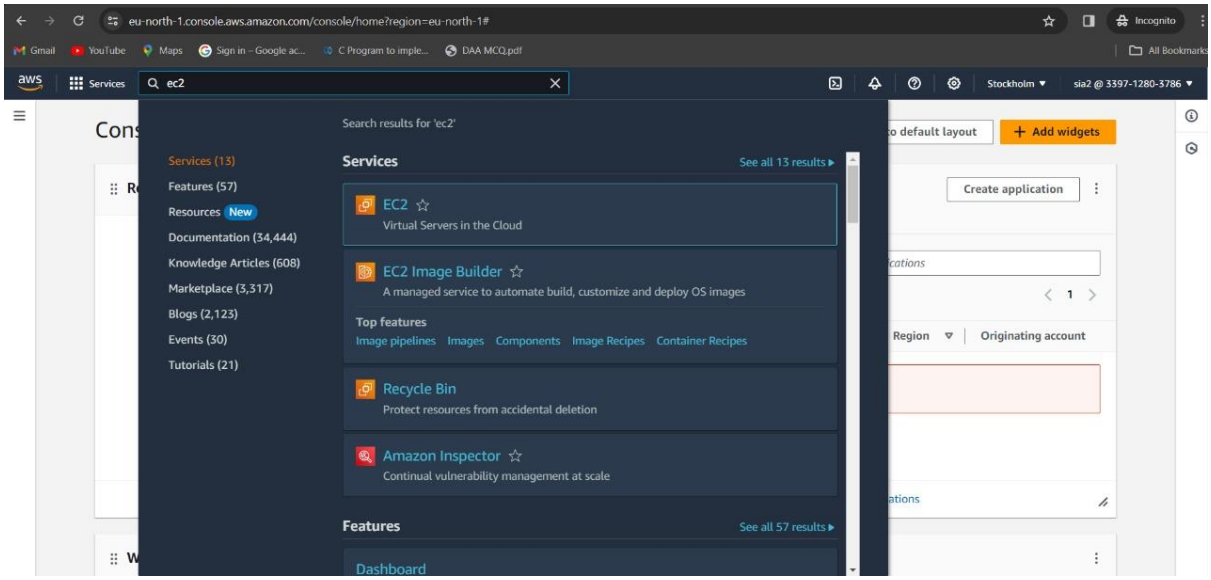
p) Now do sign out and come out from incognito mode. Now make another user. Follow same steps and also make a new user group. And now in Permission policies search **EC2** in search bar and click on **AmazonEC2FullAccess** and press on **Create user group.**



q) In same way **download .csv file** and return to **users list**. Now two separate IAM users will be created and both assigned with different access one is for s3 and another is for EC2.



r) Now in same way return back to incognito mode and sign in to AWS console and select IAM root and give 12 digit id , username and password by copying those from .csv file like previous. Now search ec2 and click on EC2.



s) Now when we go to **EC2** then we can see no API Error is occurring like previous as this user has given access of EC2.