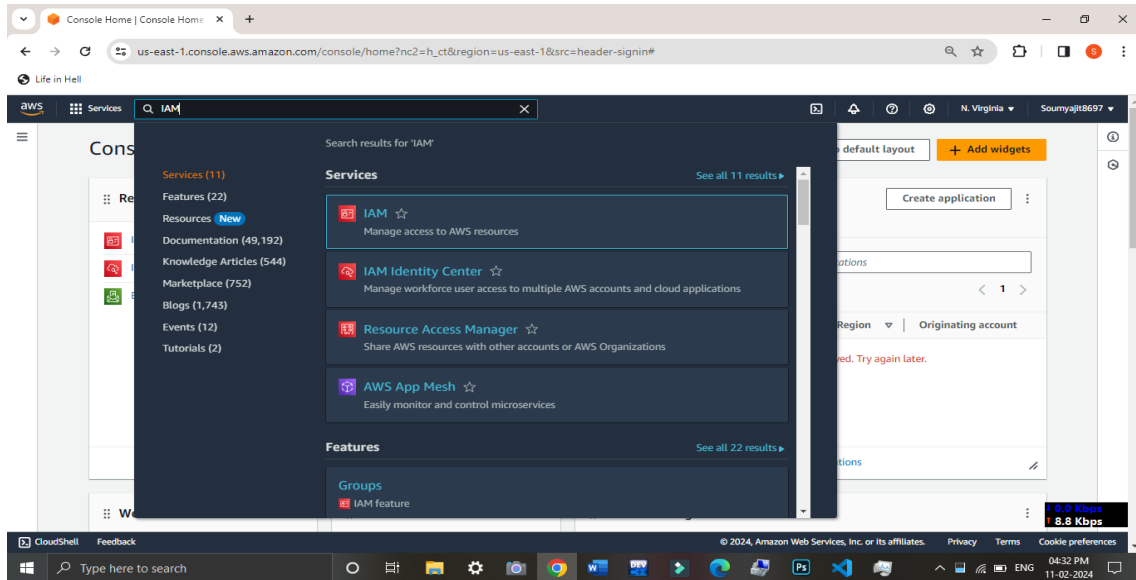


Assignment:3

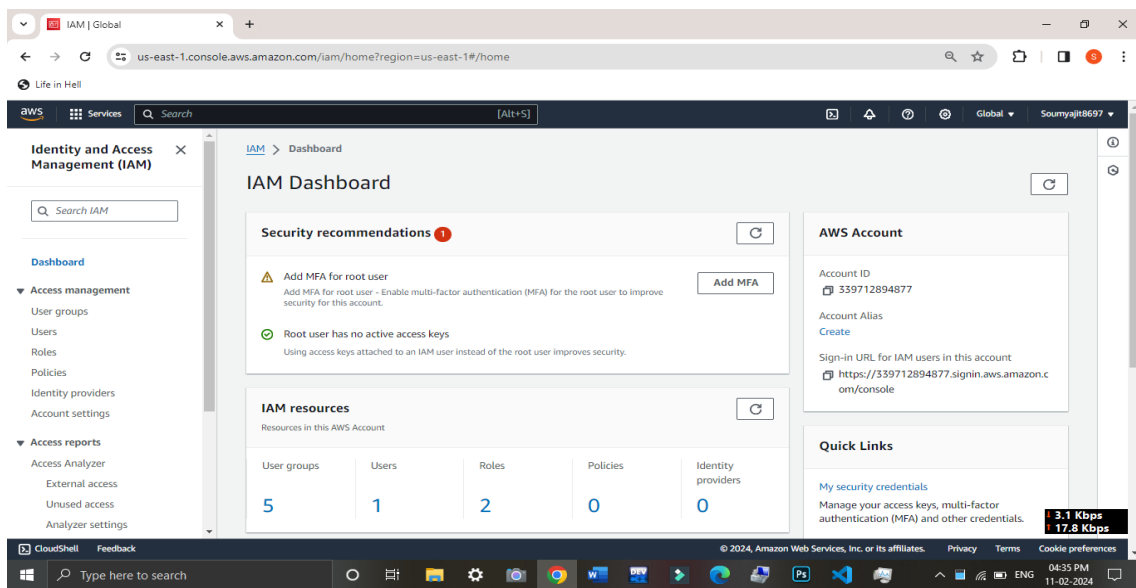
PROBLEM STATEMENT : 1.Create IAM user and give full access to S3.

Creation of IAM user and access to S3.

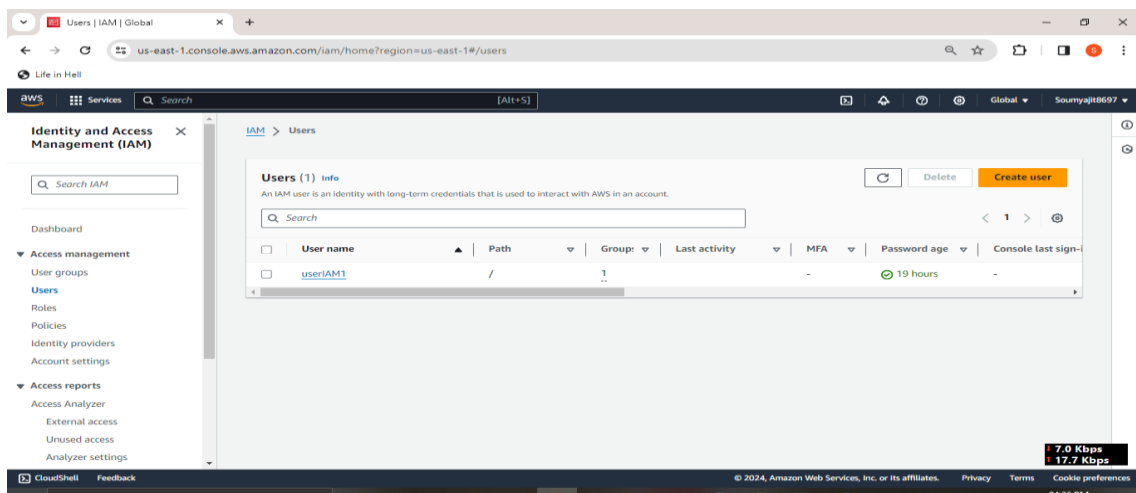
A. Log into AWS console and search for IAM, click on it



B. Under IAM resources click on 'Users'.



C. Click on 'Create User'



D. Provide 'User details', tick off the check box and follow the snapshot given below.

The first screenshot shows the 'Specify user details' page in the AWS IAM console. The 'User details' section is active, showing the 'User name' field with the value 'UserIAM2'. Below this, the checkbox 'Provide user access to the AWS Management Console - optional' is checked. A blue box contains information about user types, with 'I want to create an IAM user' selected. The 'Console password' section shows 'Autogenerated password' selected.

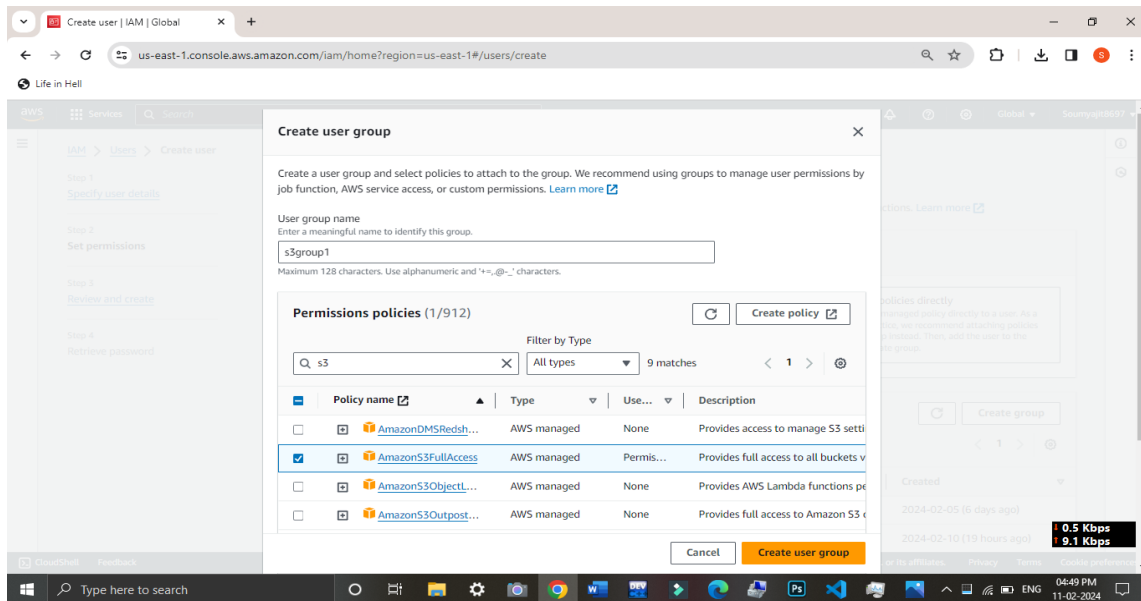
The second screenshot shows the same page, but the 'Console password' section is expanded. 'Custom password' is selected, and the password 'Soumyajit@2024' is entered. The 'Show password' checkbox is checked. A blue box at the bottom provides information about creating programmatic access.

E. Under 'Permissions options', click on 'Add user to group' and go to 'Create group'.

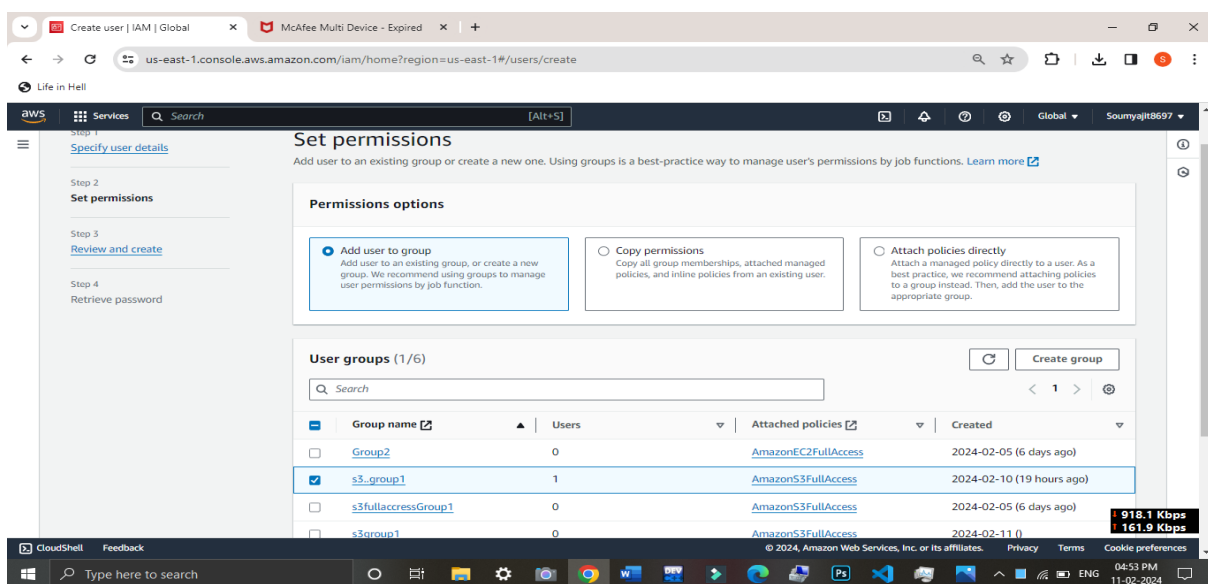
The screenshot shows the 'Set permissions' page in the AWS IAM console. The 'Permissions options' section has 'Add user to group' selected. Below this, the 'User groups (5)' section displays a table of existing groups. A 'Create group' button is located at the top right of the table.

Group name	Users	Attached policies	Created
Group2	0	AmazonEC2FullAccess	2024-02-05 (6 days ago)
s3_group1	1	AmazonS3FullAccess	2024-02-10 (19 hours ago)
s3fullaccessGroup1	0	AmazonS3FullAccess	2024-02-05 (6 days ago)

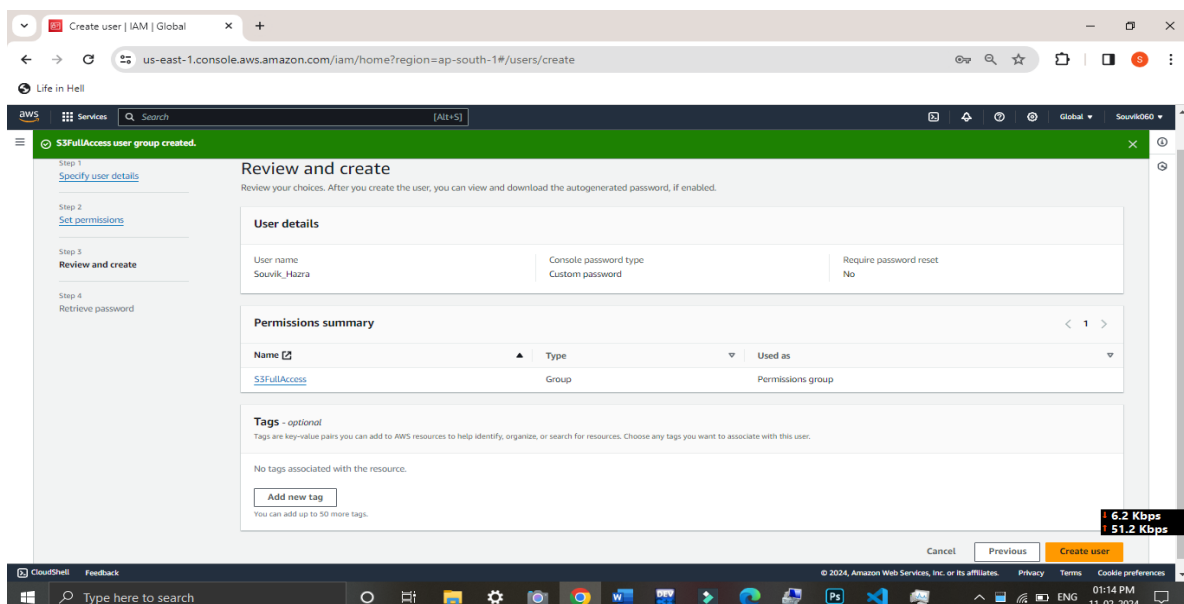
F. To 'Create user group', first provide 'User group name', then from permission policies search for s3 and choose full access of the particular permission we want to give to that group.



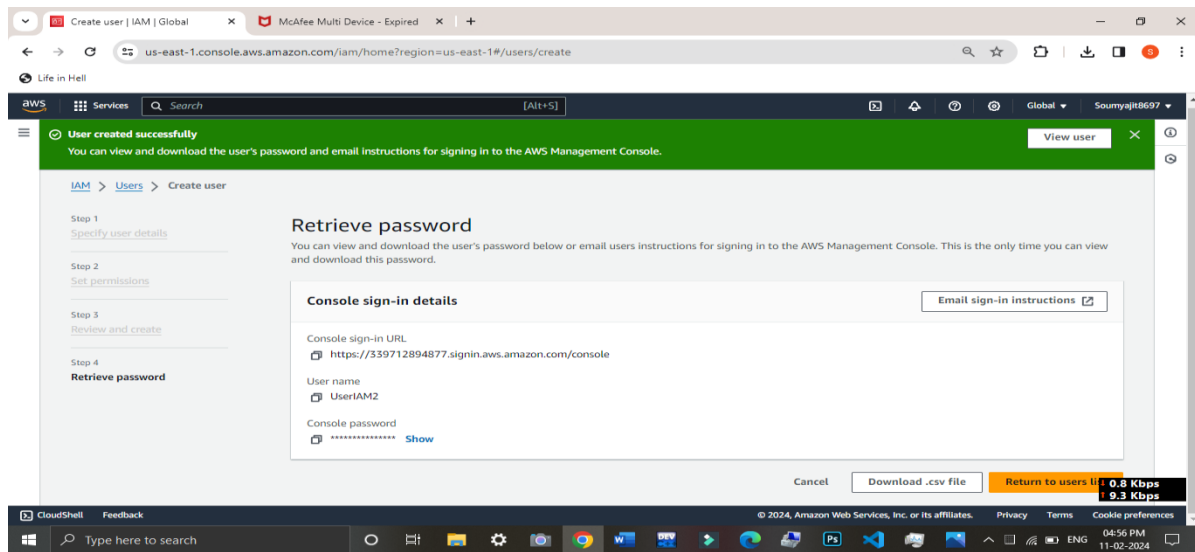
G. 'S3_group1' is successfully created, then tick off the checkbox of 'S3_group1' in 'User groups', so that our IAM user is connected to this group and gets the required permission then click on 'Next'.



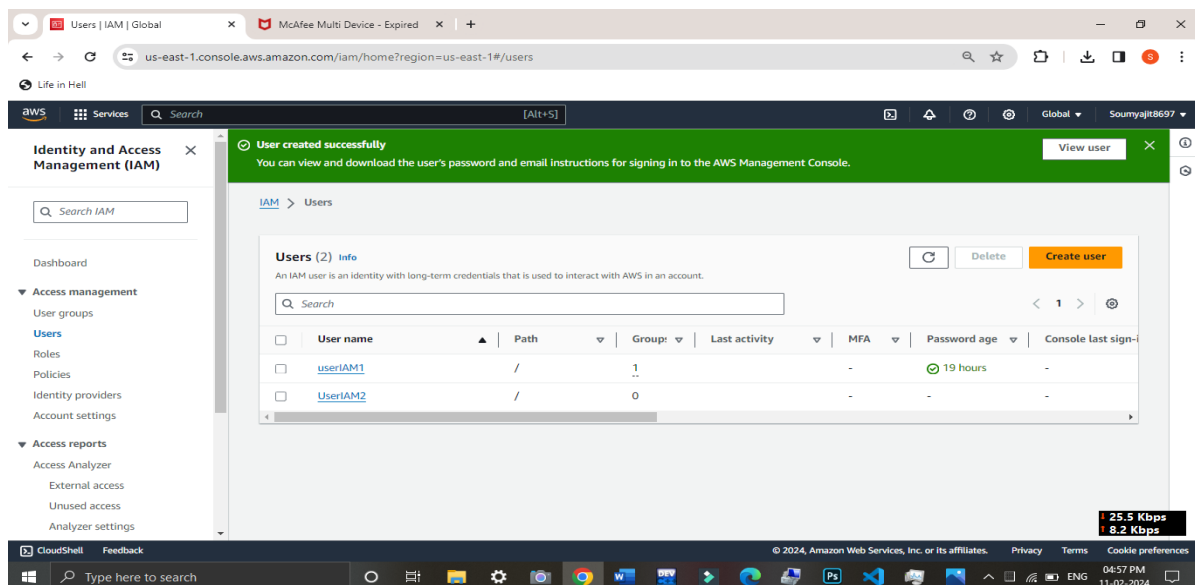
H. Under 'Review and create', click on 'Create user' to create our IAM user



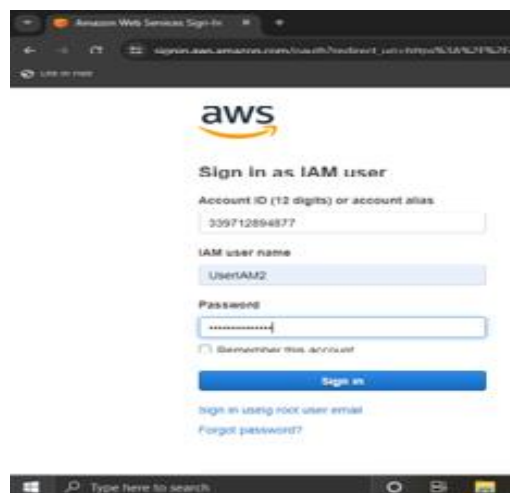
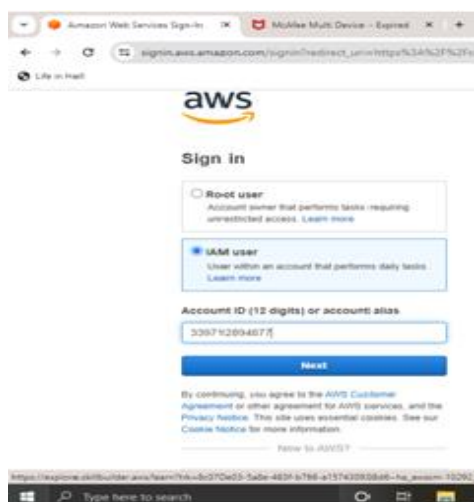
I. IAM user is created successfully and click on 'Return to users list'



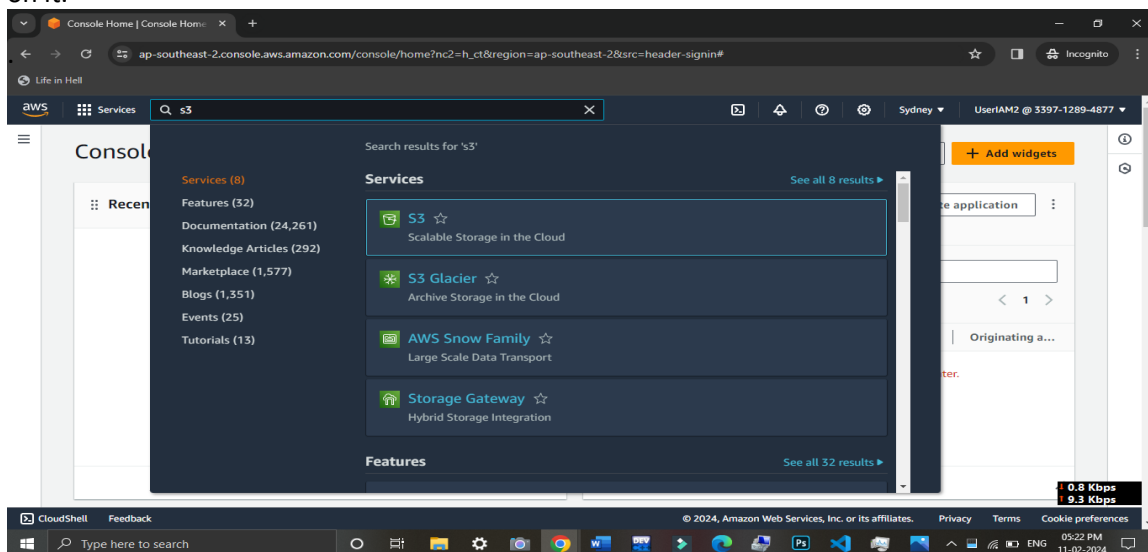
J. 'UserIAM2' is created successfully and it is shown in 'Users'



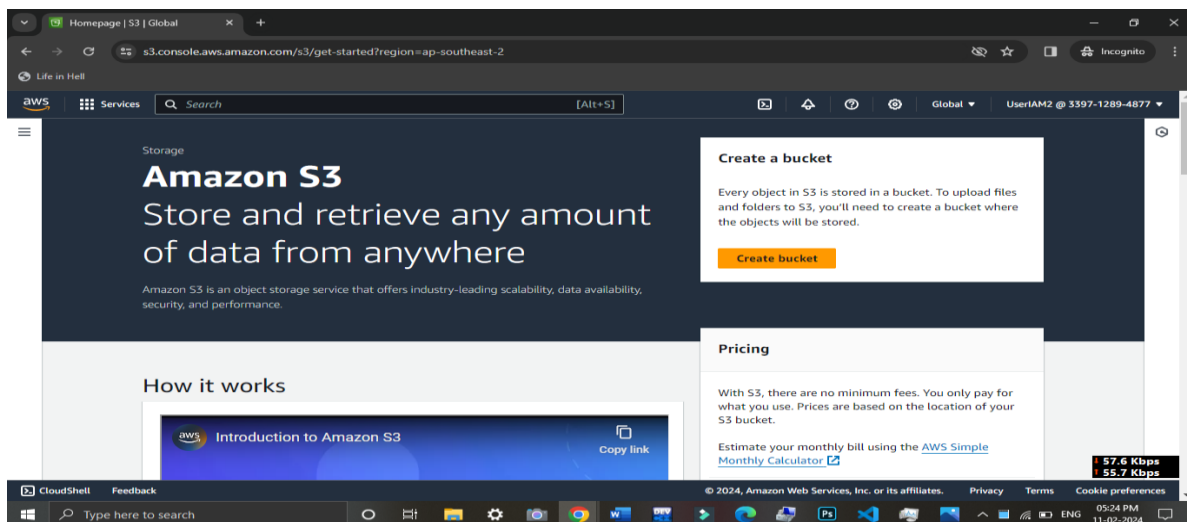
K. Now sign out from root user and open new 'Incognito mode', login to AWS console as IAM user with provided account ID, IAM username and password.



L.) Successfully logged into 'UserIAM' user account. Here we have to search for 'S3' and then click on it.

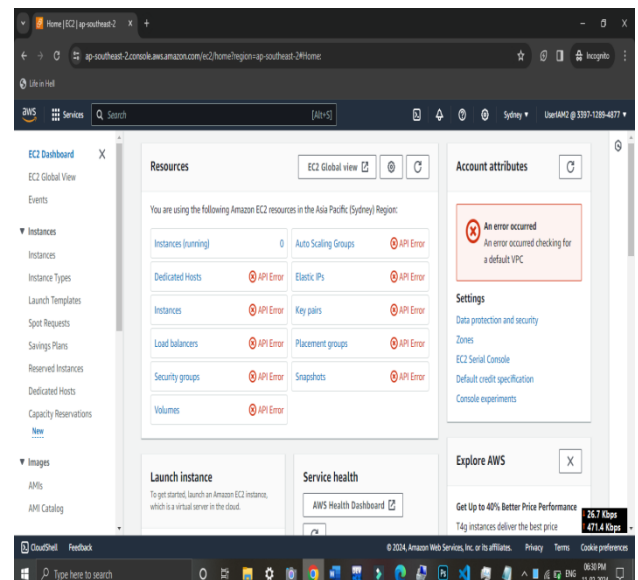
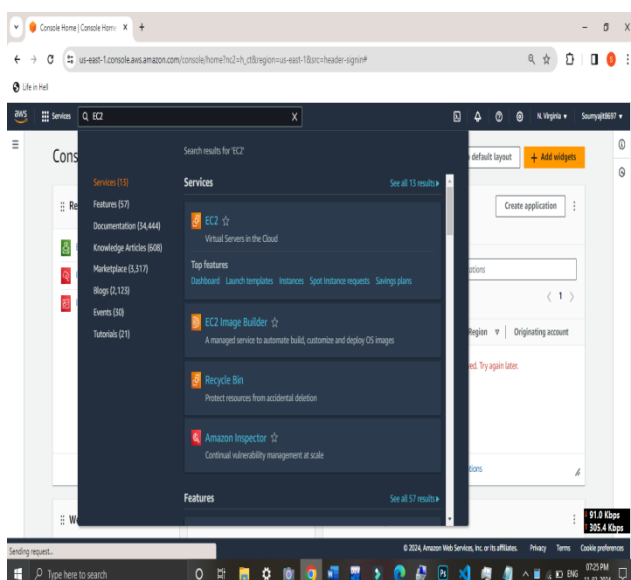


M. It is seen that IAM user is given full access to 'S3' successfully.

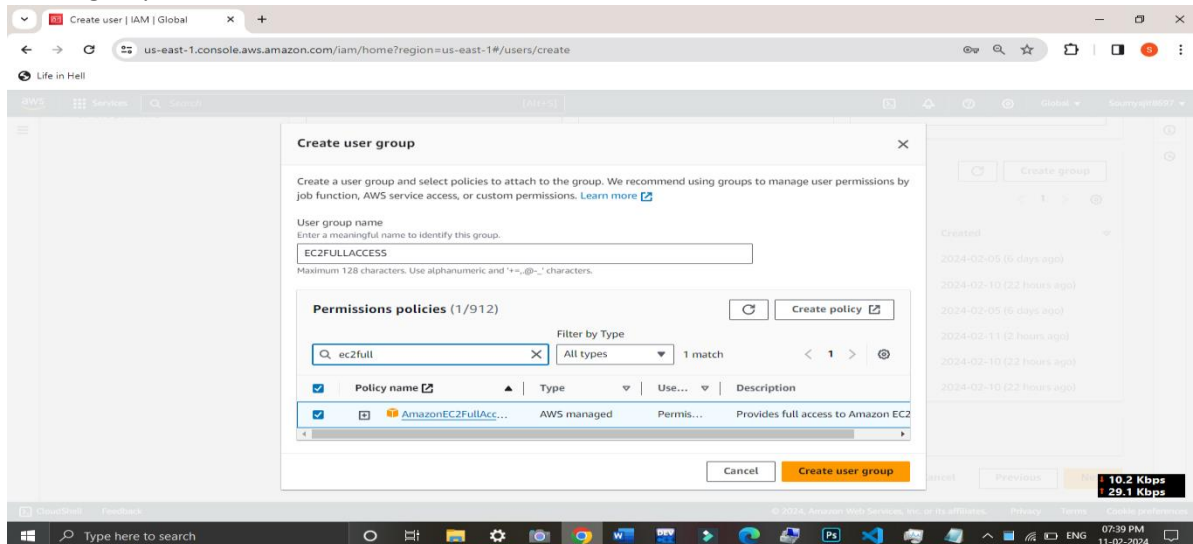


2. Creation of IAM user and access to EC2. Steps are given below.

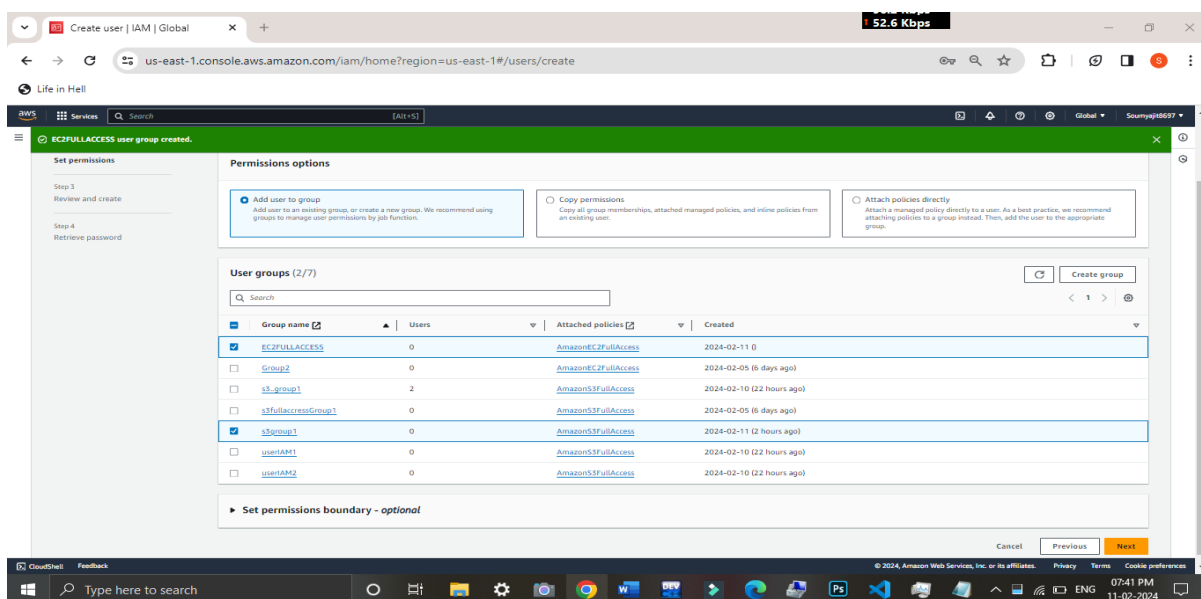
A) Now back to console and search EC2 like S3 and press on EC2. We can see API errors are occurring as only s3 access was given to this user not EC2.



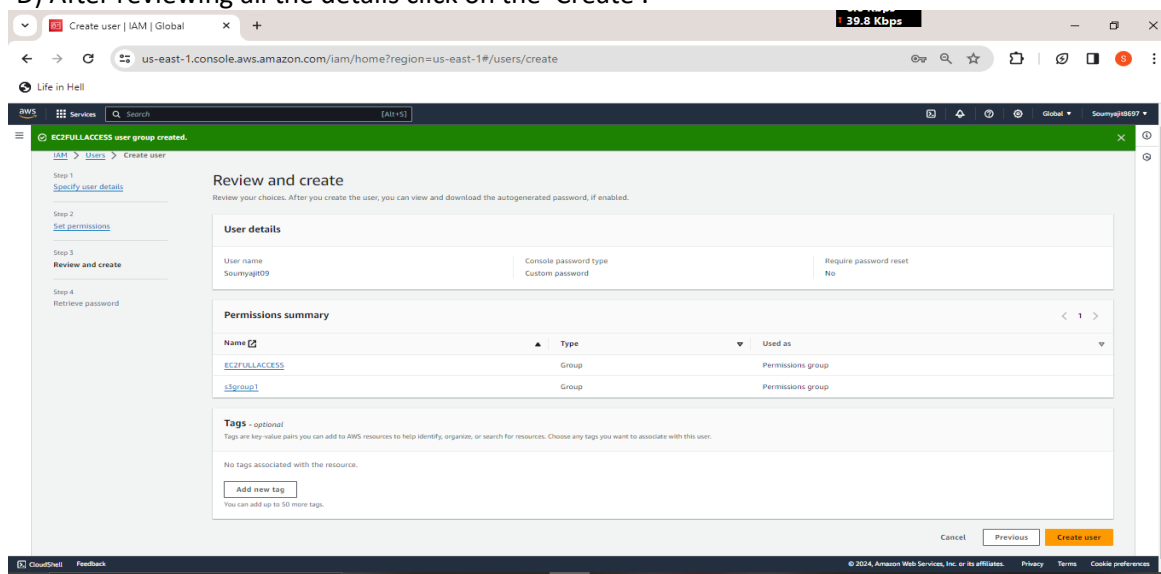
B) Now sign out from IAM account which is open in incognito mode and go to root account which is also open in other hand. Now make another user. Follow same steps as S3 and make a new user group. Give the user group name as EC2FullAccess And now in Permission policies search EC2FullAccess in search bar and click on the checkbox of AmazonEC2FullAccess and press on 'Create user group'.



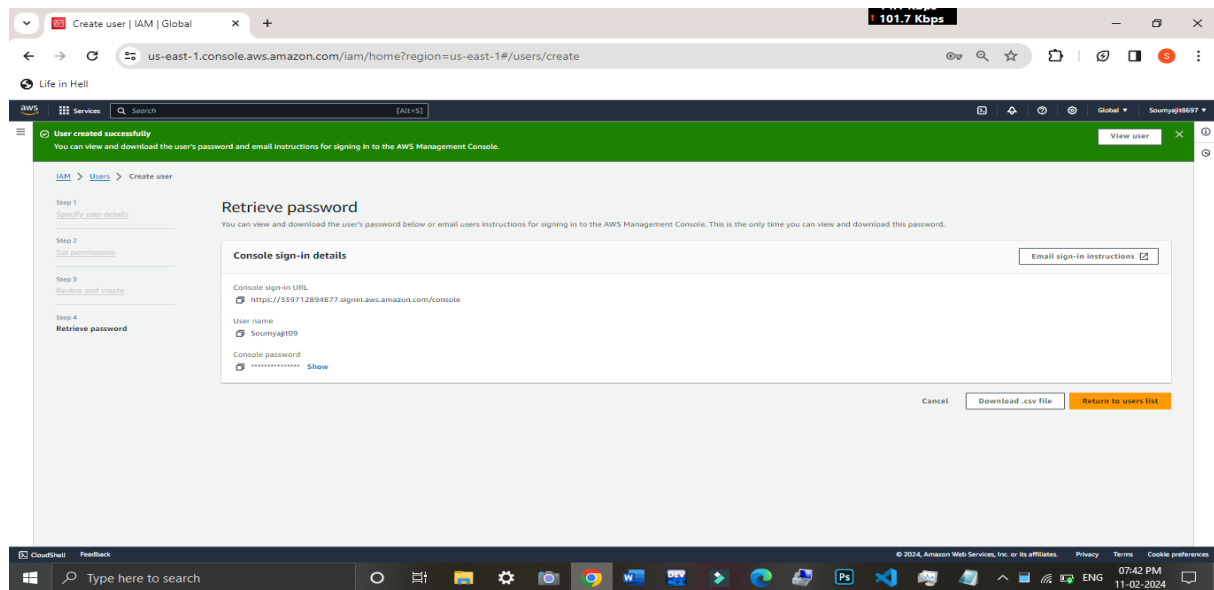
C) Then from the User group select the checkbox of both S3 and EC2 group to get all access to IAM users and click on the 'Next'.



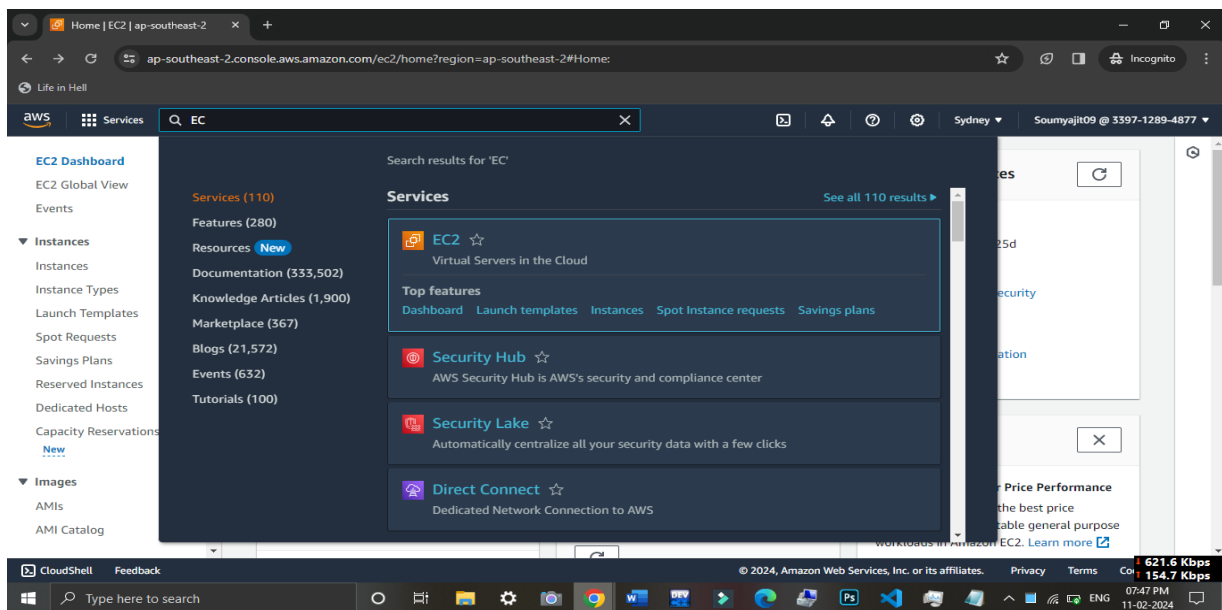
D) After reviewing all the details click on the 'Create'.



E) User created successfully and then download the .csv file and click on 'Return to user list'.



F) 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.



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

