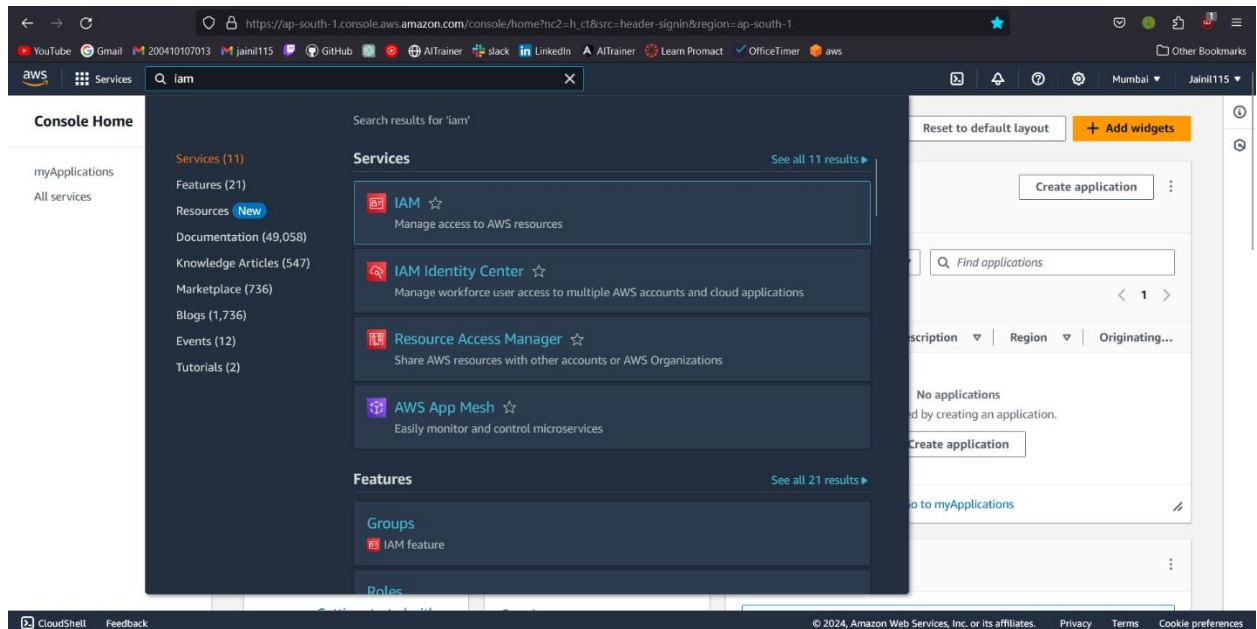


TASK 2: Create a New IAM User Named "S3-User":

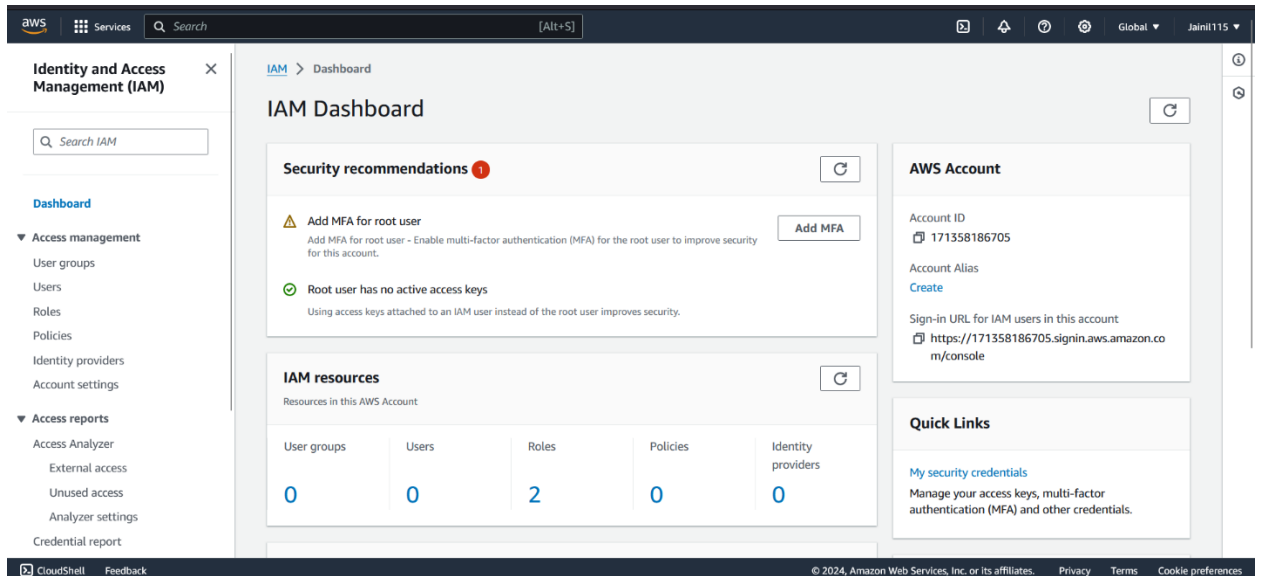
1. Create a new IAM user with programmatic access.
2. Attach the AmazonS3FullAccess policy to the user.
3. Generate an access key and secret key for the IAM user

Steps to create new IAM user with programmatic access:

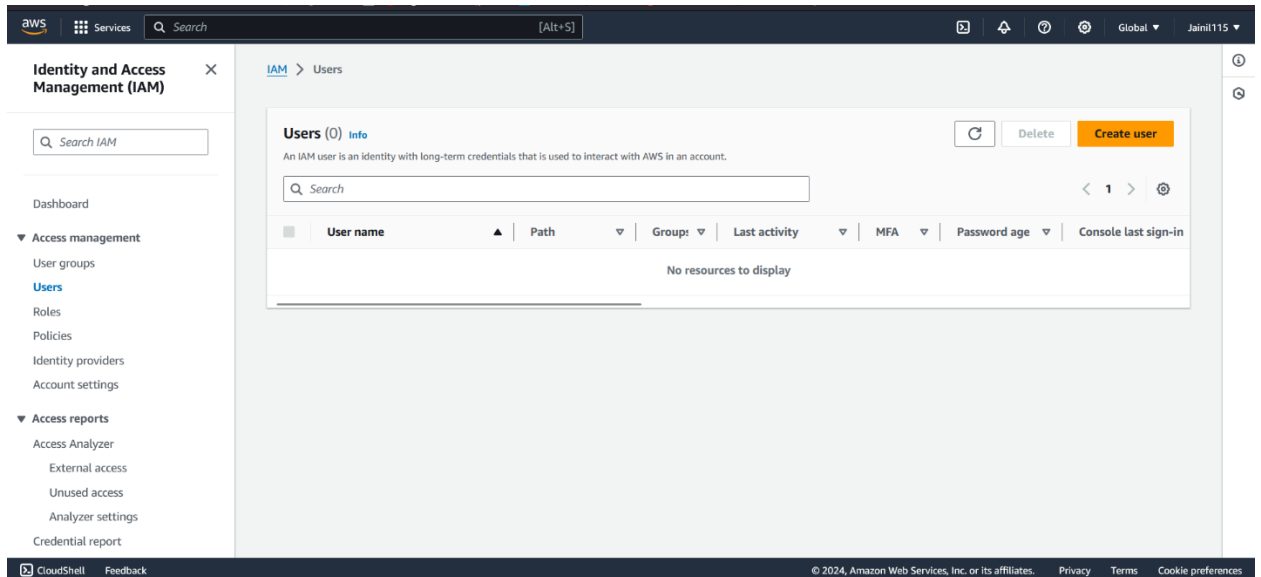
1. To Create IAM account go to the aws console and search for "IAM" and select IAM.



2. Then select "Users" from the menu.



3. Then click on create user.



4. Then enter the user name and select "Provide user access to the AWS Management Console" and then select "I want to create an IAM user", This will provide programmatic access. Then select custom password and enter password that follows the password policy. Then uncheck "Users must create a new password at next sign-in". Then click on next.

Specify user details

User details

User name
S3-user

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +, -, @, _ (hyphen)

☒ Provide user access to the AWS Management Console - optional
If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.

Are you providing console access to a person?

User type

☐ Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

☒ I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

☐ Autogenerated password
You can view the password after you create the user.

☒ Custom password
Enter a custom password for the user.

Must be at least 8 characters long
Must include at least three of the following mix of character types: uppercase letters [A-Z], lowercase letters [a-z], numbers [0-9], and symbols [!@#\$%^&*()_+-=]{1}

☐ Show password

☒ Users must create a new password at next sign-in - Recommended
Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

[If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. \[Learn more\]\(#\)](#)

- Now Click select "Attach policies directly" in permission options. Now search for policy "AmazonS3FullAccess" then select it. Then click on next.

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

☐ Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

☐ Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.

☒ Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1/1173)

Choose one or more policies to attach to your new user.

Filter by Type

AmazonS3FullAccess

All types

1 match

Policy name	Type	Attached entities
AmazonS3FullAccess	AWS managed	0

Set permissions boundary - optional

[Create policy](#)

[Cancel](#) [Previous](#) [Next](#)

- Then you will see Review and Create page. Now click on "Create User"

The screenshot shows the 'Review and create' step in the AWS IAM console. The left sidebar lists four steps: 'Specify user details', 'Set permissions', 'Review and create' (which is the active step), and 'Retrieve password'. The main content area is titled 'Review and create' and includes a sub-header 'Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.'

User details

User name S3-User	Console password type Custom password	Require password reset No
----------------------	--	------------------------------

Permissions summary

Name	Type	Used as
AmazonS3FullAccess	AWS managed	Permissions policy

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tags.

At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Create user'.

- Now you can either download the user credential's .csv file. Then click on "Return to users list"

The screenshot shows the 'Retrieve password' step in the AWS IAM console. The left sidebar lists four steps: 'Specify user details', 'Set permissions', 'Review and create', and 'Retrieve password' (which is the active step). The main content area is titled 'Retrieve password' and includes a sub-header 'You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.'

Console sign-in details

[Email sign-in instructions](#)

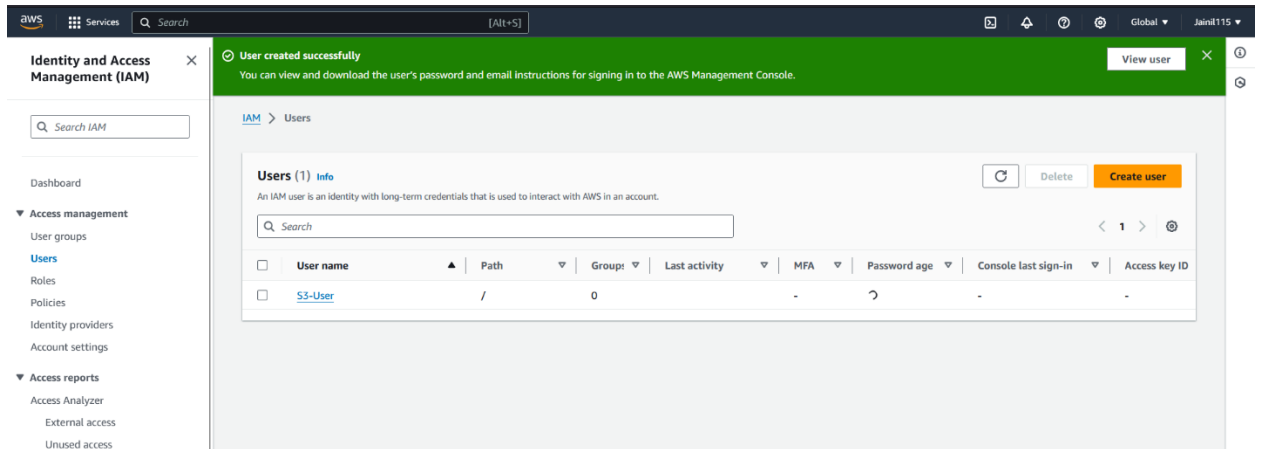
Console sign-in URL
<https://171358186705.signin.aws.amazon.com/console>

User name
S3-User

Console password
***** [Show](#)

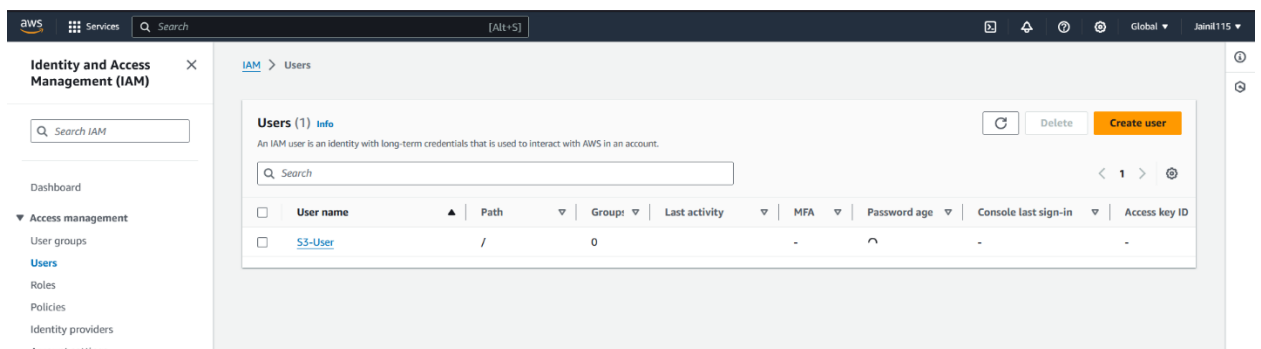
At the bottom right, there are three buttons: 'Cancel', 'Download .csv file', and 'Return to users list'.

- Now you will be able to see all the IAM users.

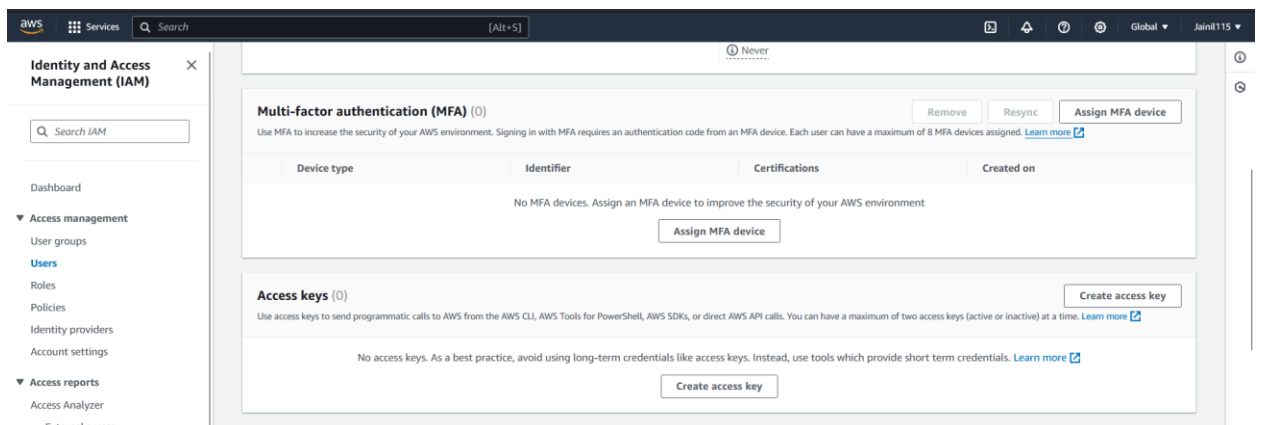


Steps to create IAM user's access key:

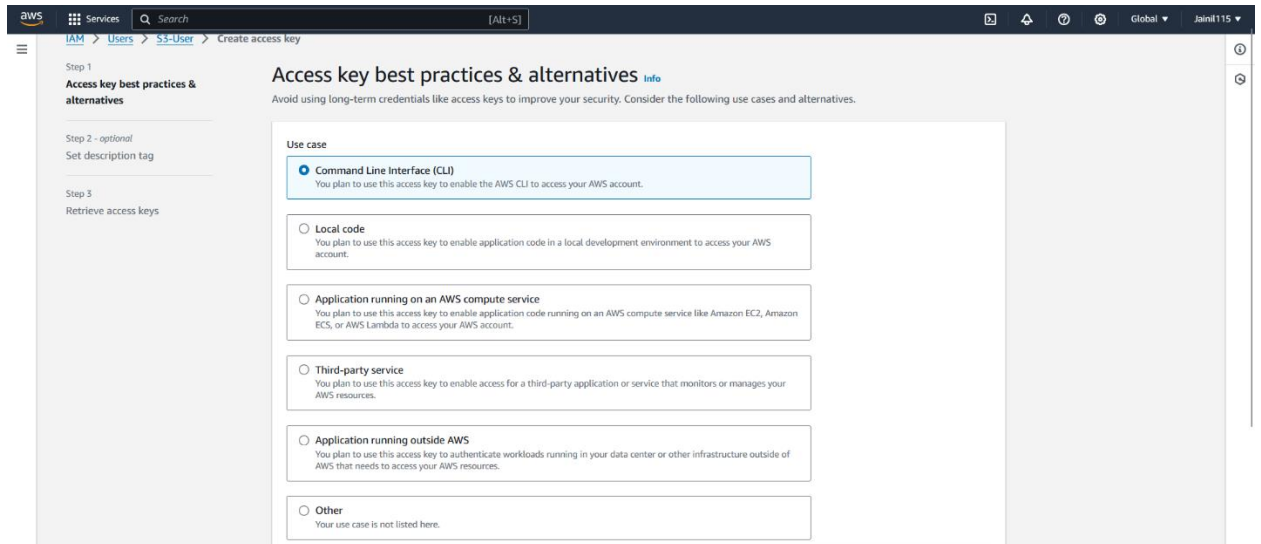
1. Select "S3-User" from IAM users list of Users.



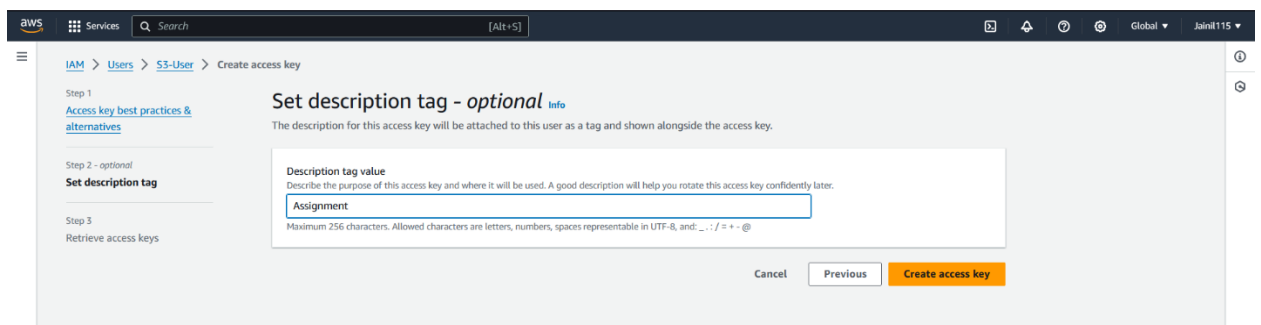
2. Navigate to security credentials in "S3-User" info. And scroll down to Access keys and then click on "create access key"



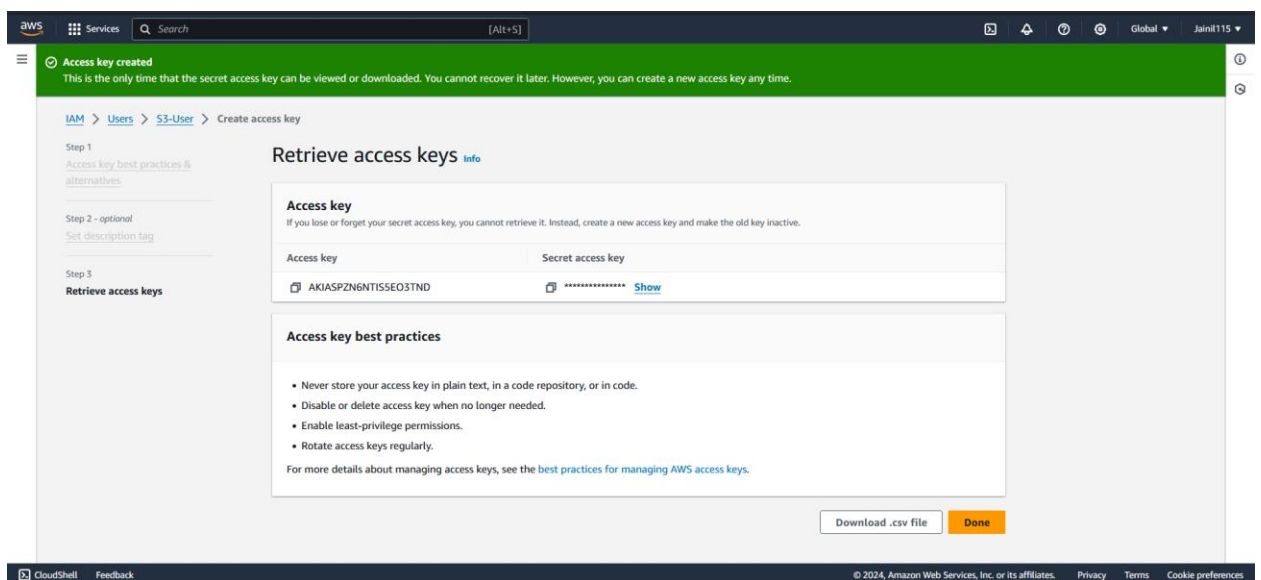
3. Select "Command Line Interface (CLI)" from the use case. Then click on "next".



4. Then you can add an optional description tag. Then click on "Create access key".

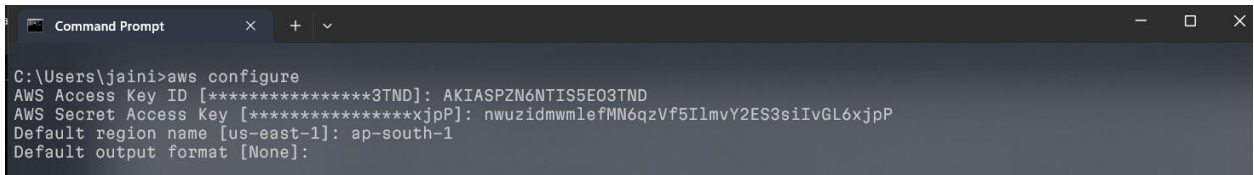


5. Now you will be able to see the access key and secret access key.



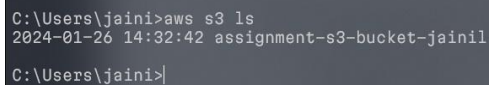
Steps to verify programmatic access with access key:

1. Download aws cli v2 using link: <https://awscli.amazonaws.com/AWSCLIV2.msi>, Then install aws cli v2.
2. After that open command prompt and enter command "aws configure". Then enter the access key, secret access key, Default region name and Default output format.



```
Command Prompt
C:\Users\jaini>aws configure
AWS Access Key ID [*****3TND]: AKIASPZN6NTIS5E03TND
AWS Secret Access Key [*****xjpP]: nwuzidmwm1efMN6qzVf5IImvY2ES3siIvGL6xjpP
Default region name [us-east-1]: ap-south-1
Default output format [None]:
```

3. This IAM user has AmazonS3FullAccess policy attached, So we can use command "aws s3 ls" to list s3 buckets.



```
C:\Users\jaini>aws s3 ls
2024-01-26 14:32:42 assignment-s3-bucket-jaini/
C:\Users\jaini>
```