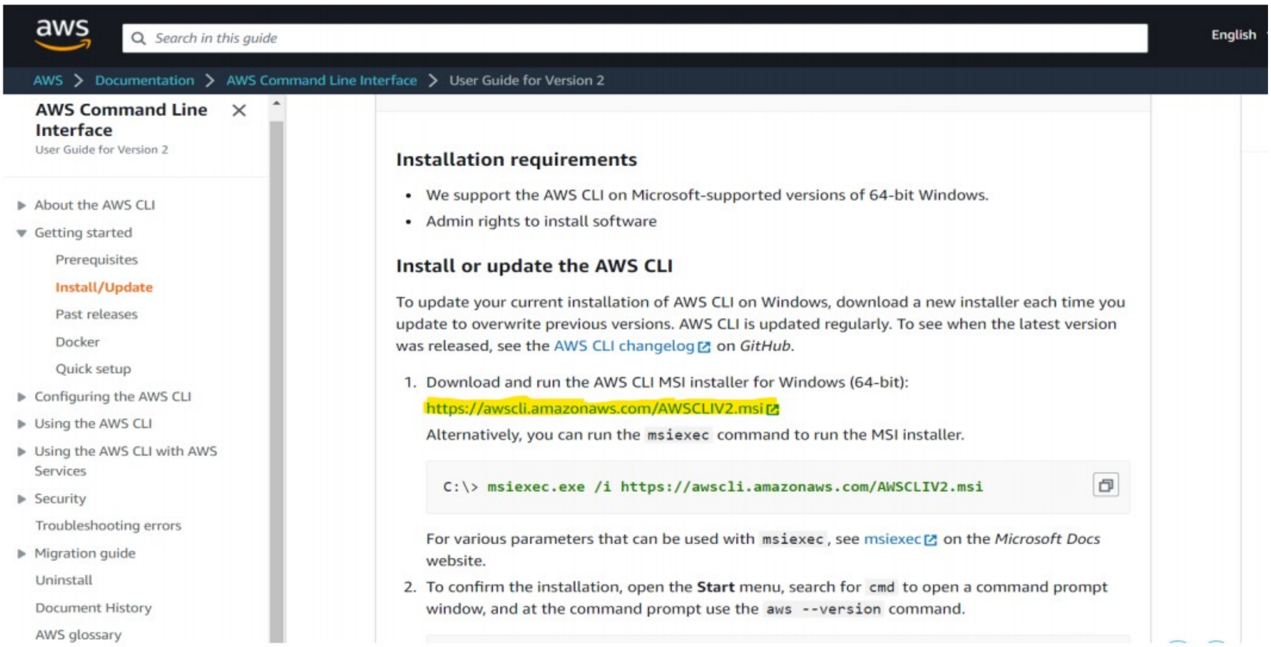
EX NO 2 INSTALL AND PRACTICE USING AWS CLI

Aim:

To install and practice using AWS CLI.

Installing AWS CLI

Download AWS CLI from the link highlighted below as shown



Installation requirements

- We support the AWS CLI on Microsoft-supported versions of 64-bit Windows.
- Admin rights to install software

Install or update the AWS CLI

To update your current installation of AWS CLI on Windows, download a new installer each time you update to overwrite previous versions. AWS CLI is updated regularly. To see when the latest version was released, see the AWS CLI changelog on *GitHub*.

1. Download and run the AWS CLI MSI installer for Windows (64-bit):
   https://awscli.amazonaws.com/AWSCLIV2.msi
   Alternatively, you can run the `msiexec` command to run the MSI installer.

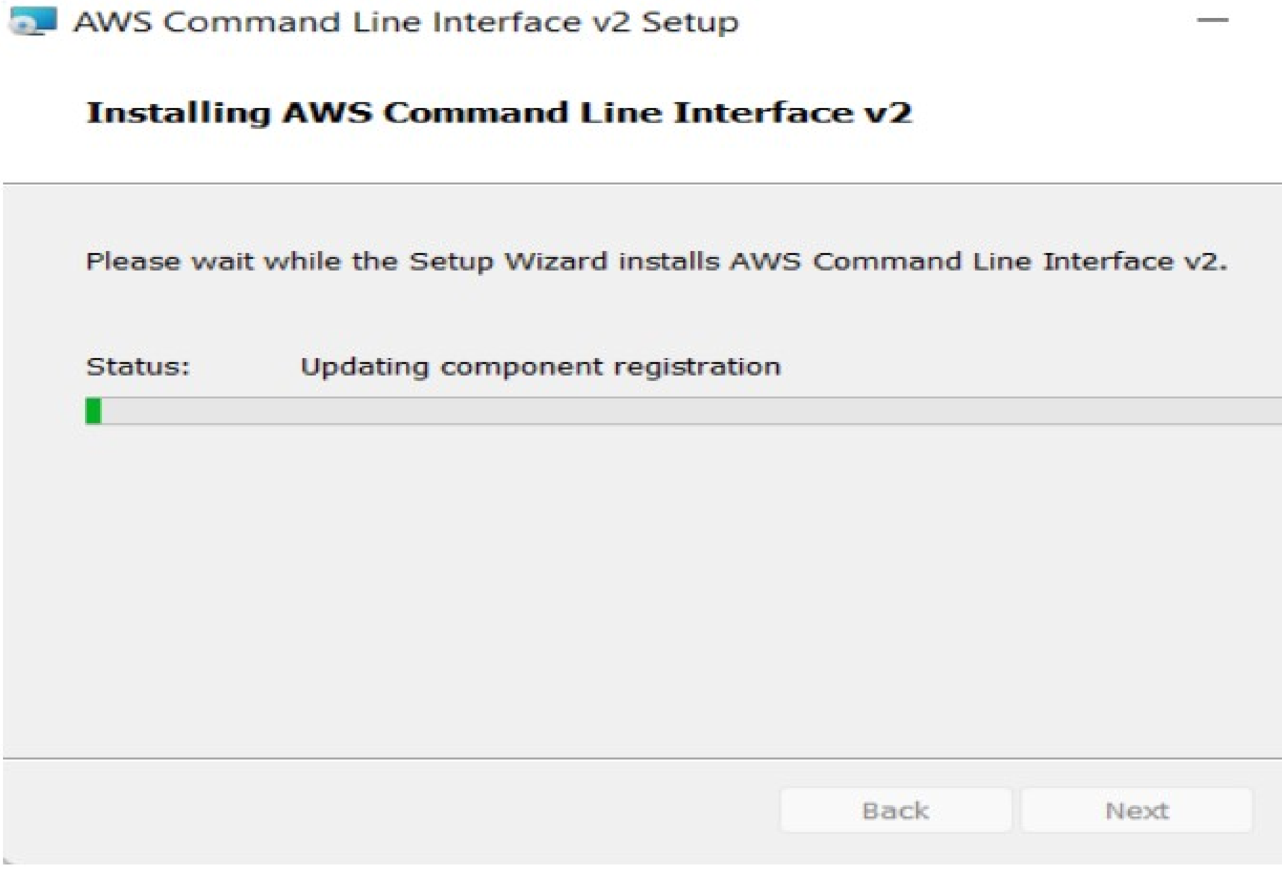
   ```
   C:\> msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi
   ```

   For various parameters that can be used with `msiexec`, see msiexec on the *Microsoft Docs* website.
2. To confirm the installation, open the **Start** menu, search for `cmd` to open a command prompt window, and at the command prompt use the `aws --version` command.

PROCEDURE:

Install AWS CLI in PC

Install AWS CLI in PC



AWS Command Line Interface v2 Setup

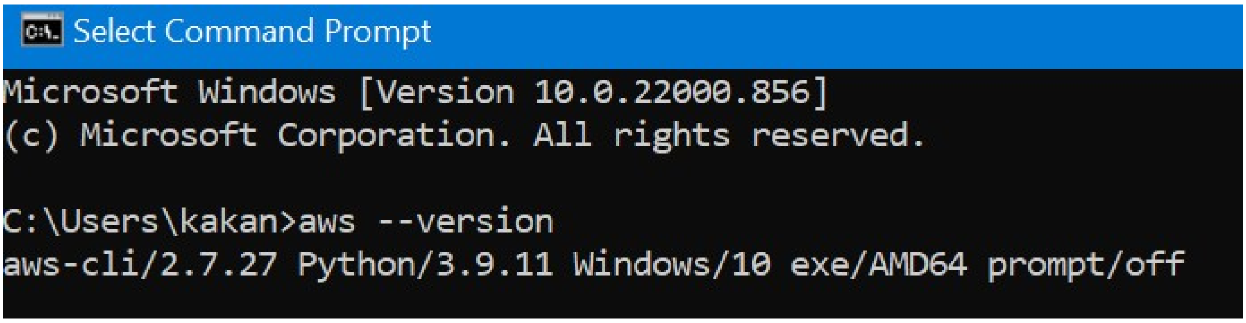
Installing AWS Command Line Interface v2

Please wait while the Setup Wizard installs AWS Command Line Interface v2.

Status: Updating component registration

1. AWS - -version

This helps us login into AWS CLI which is a command line interpreter by which we can execute some AWS CLI commands. And here is **aws --version** which helps us to install AWS CLI into command prompt or powershell in windows.

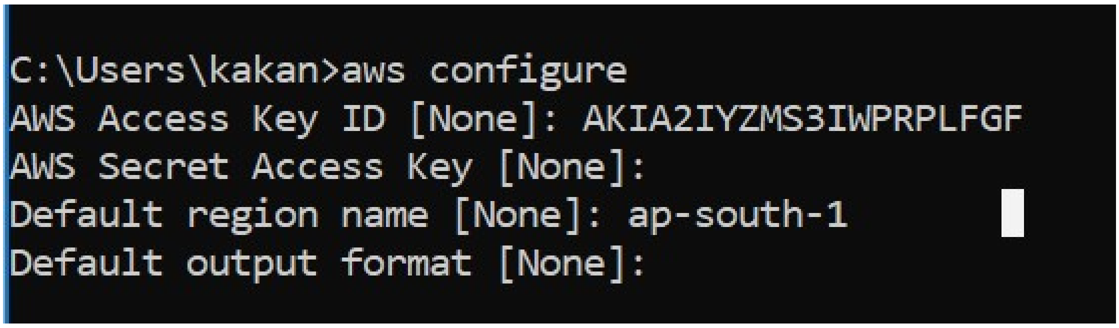


Select Command Prompt

```
Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kakan>aws --version
aws-cli/2.7.27 Python/3.9.11 Windows/10 exe/AMD64 prompt/off
```

2.aws configure:

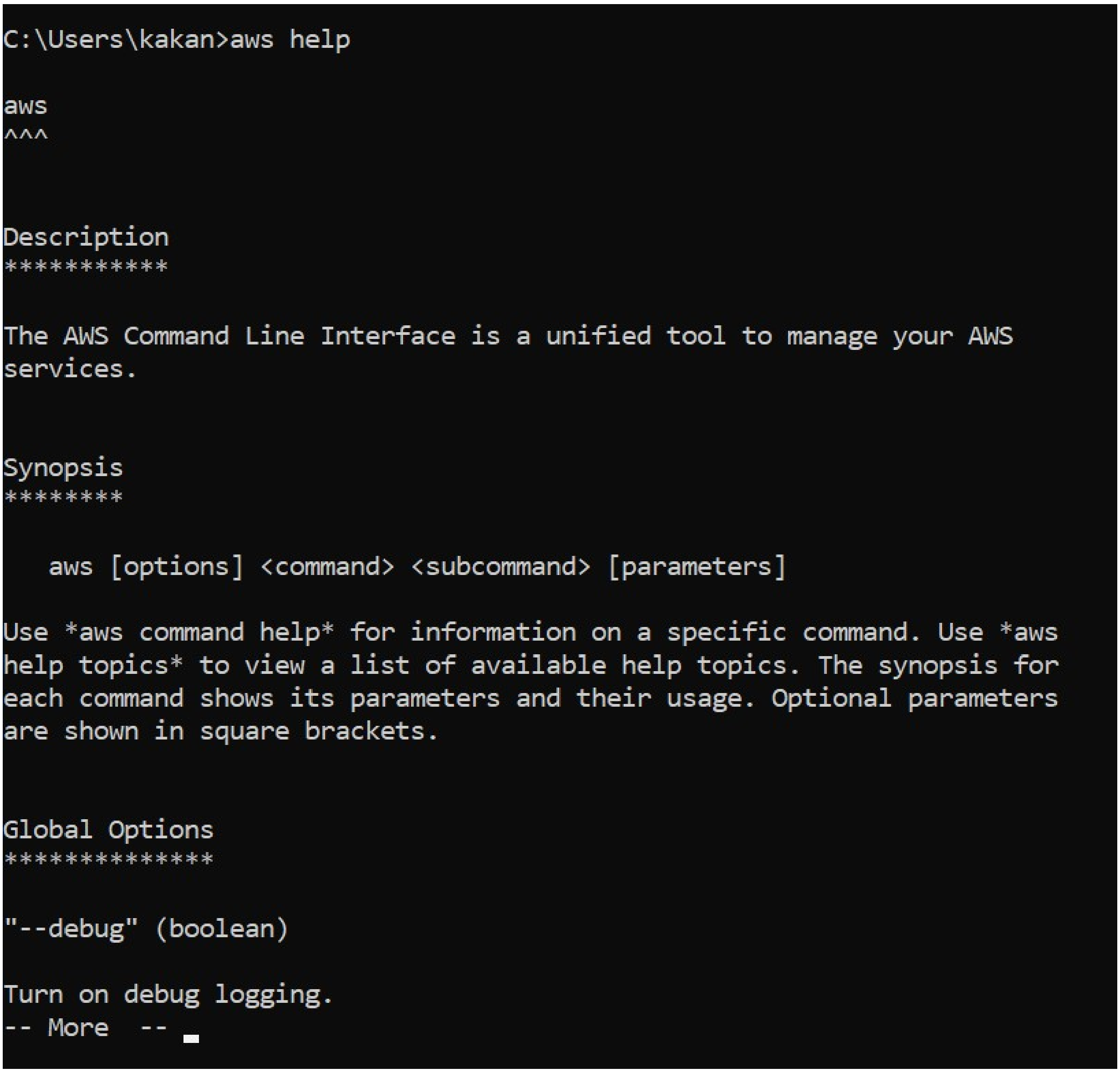
aws configure helps to login into our IAM user from Root user.



```
C:\Users\kakan>aws configure
AWS Access Key ID [None]: AKIA2IYZMS3IWPRPLFGF
AWS Secret Access Key [None]:
Default region name [None]: ap-south-1
Default output format [None]:
```

3. Aws help

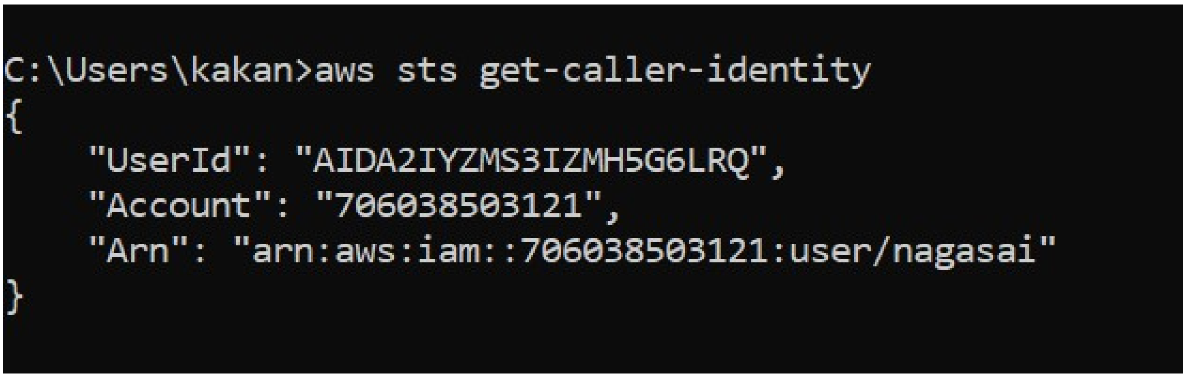
The built-in AWS CLI help command. You can get help with any command when using the AWS Command Line Interface (AWS CLI). To do so, simply type help at the end of a command name. For example, the following command displays help for the general AWS CLI options and the available top-level commands.



```
C:\Users\kakan>aws help

aws
^^^


Description
***********

The AWS Command Line Interface is a unified tool to manage your AWS
services.


Synopsis
********

   aws [options] <command> <subcommand> [parameters]

Use *aws command help* for information on a specific command. Use *aws
help topics* to view a list of available help topics. The synopsis for
each command shows its parameters and their usage. Optional parameters
are shown in square brackets.


Global Options
**************

"--debug" (boolean)

Turn on debug logging.
-- More  --
```

4.sts get-caller-identity

To get your account id using AWS CLI, run the sts get-caller-identity command, setting the --query parameter to Account to filter the output. Copied! The get-caller-identity command returns the User Id, Account Id, and the ARN of the caller

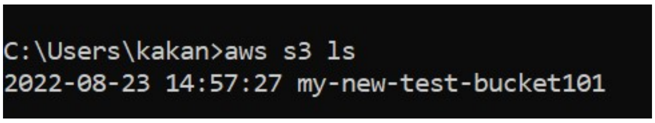


```
C:\Users\kakan>aws sts get-caller-identity
{
    "UserId": "AIDA2IYZMS3IZMH5G6LRQ",
    "Account": "706038503121",
    "Arn": "arn:aws:iam::706038503121:user/nagasai"
}
```

5. **aws S3 ls**

To list your buckets, folders, or objects, use the s3 ls command.

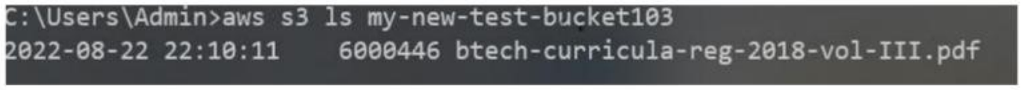
Using the command without a target or options lists all buckets.



```
C:\Users\kakan>aws s3 ls
2022-08-23 14:57:27 my-new-test-bucket101
```

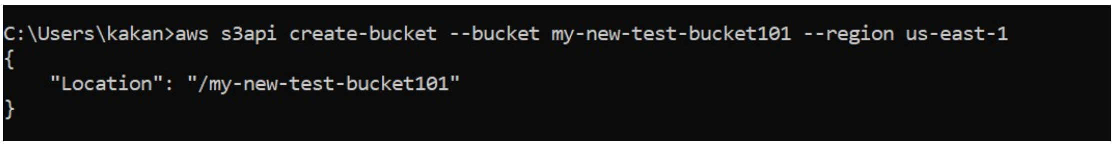
6.**aws s3 ls bucketName**

The following ls command lists objects and common prefixes under a specified bucket and prefix. In this example, the user owns the bucket mybucket with the objects test.txt and somePrefix/test.txt.The LastWriteTime and Length are arbitrary.



```
C:\Users\Admin>aws s3 ls my-new-test-bucket103
2022-08-22 22:10:11    6000446 btech-curricula-reg-2018-vol-III.pdf
```

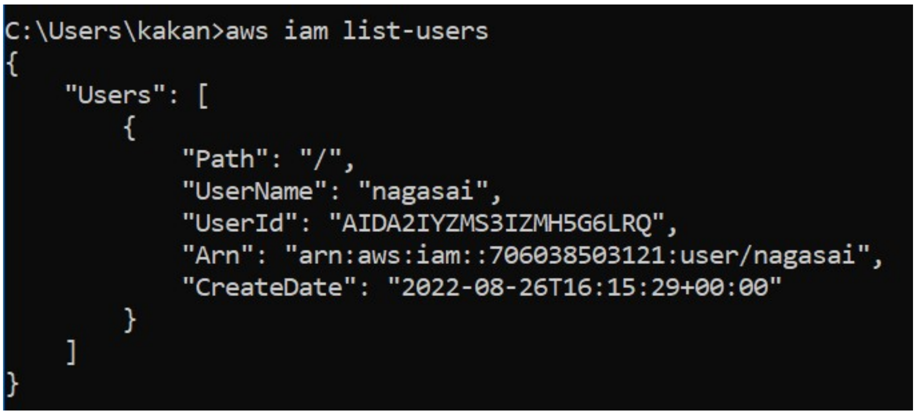
7. Create bucket



```
C:\Users\kakan>aws s3api create-bucket --bucket my-new-test-bucket101 --region us-east-1
{
    "Location": "/my-new-test-bucket101"
}
```

8. aws iam list users

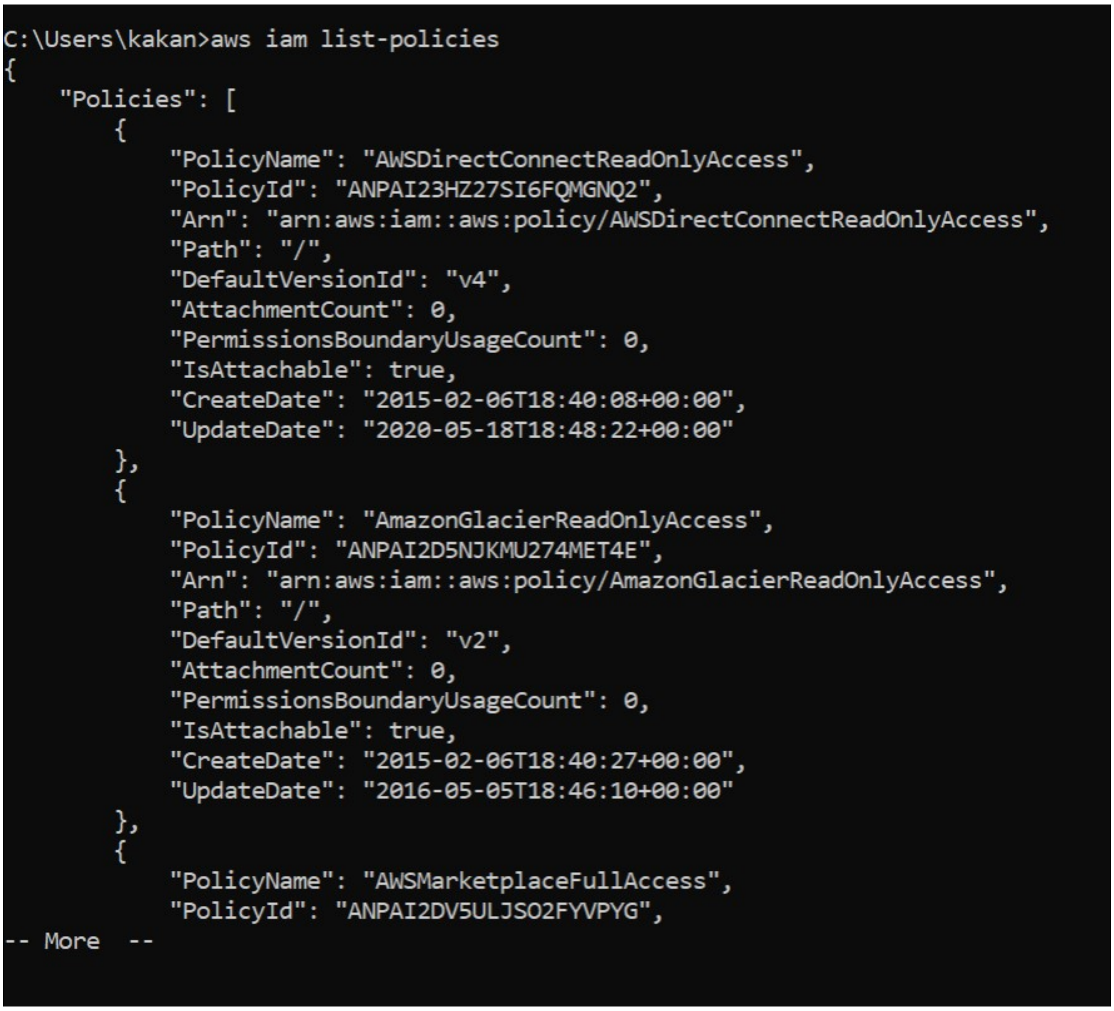
To list the users present in an account, use the command to get information regarding them. It will show the list of users along with their name and id.



```
C:\Users\kakan>aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "nagasai",
            "UserId": "AIDA2IYZMS3IZMH5G6LRQ",
            "Arn": "arn:aws:iam::706038503121:user/nagasai",
            "CreateDate": "2022-08-26T16:15:29+00:00"
        }
    ]
}
```

8. aws iam list-policies

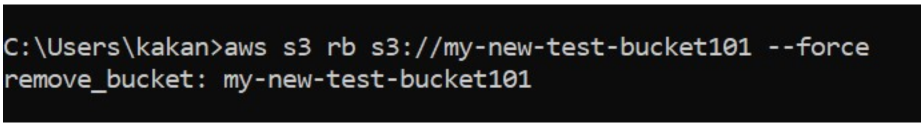
To list the policies of aws, this command is used to get the policies present in the aws account and this is used to give permissions to the newly created users.



```
C:\Users\kakan>aws iam list-policies
{
    "Policies": [
        {
            "PolicyName": "AWSDirectConnectReadOnlyAccess",
            "PolicyId": "ANPAI23HZ27SI6FQMGNQ2",
            "Arn": "arn:aws:iam::aws:policy/AWSDirectConnectReadOnlyAccess",
            "Path": "/",
            "DefaultVersionId": "v4",
            "AttachmentCount": 0,
            "PermissionsBoundaryUsageCount": 0,
            "IsAttachable": true,
            "CreateDate": "2015-02-06T18:40:08+00:00",
            "UpdateDate": "2020-05-18T18:48:22+00:00"
        },
        {
            "PolicyName": "AmazonGlacierReadOnlyAccess",
            "PolicyId": "ANPAI2D5NJKMU274MET4E",
            "Arn": "arn:aws:iam::aws:policy/AmazonGlacierReadOnlyAccess",
            "Path": "/",
            "DefaultVersionId": "v2",
            "AttachmentCount": 0,
            "PermissionsBoundaryUsageCount": 0,
            "IsAttachable": true,
            "CreateDate": "2015-02-06T18:40:27+00:00",
            "UpdateDate": "2016-05-05T18:46:10+00:00"
        },
        {
            "PolicyName": "AWSMarketplaceFullAccess",
            "PolicyId": "ANPAI2DV5ULJSO2FYVPYG",
-- More  --
```

9. delete bucket

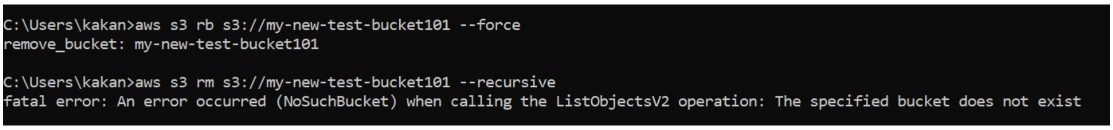
If your bucket does not have versioning enabled, you can use the rb (remove bucket) AWS CLI command with the --force parameter to delete the bucket and all the objects in it. This command deletes all objects first and then deletes the bucket.



```
C:\Users\kakan>aws s3 rb s3://my-new-test-bucket101 --force
remove_bucket: my-new-test-bucket101
```

10 .remove file from bucket

To delete objects in a bucket or your local directory, use the s3 rm command. For a few common options to use with this command, and examples, see Frequently used options for s3 commands. For a complete list of options, see s3 rm in the AWS CLI Command Reference. The following example deletes filename



```
C:\Users\kakan>aws s3 rb s3://my-new-test-bucket101 --force
remove_bucket: my-new-test-bucket101

C:\Users\kakan>aws s3 rm s3://my-new-test-bucket101 --recursive
fatal error: An error occurred (NoSuchBucket) when calling the ListObjectsV2 operation: The specified bucket does not exist
```