AWS CLI Practice

- 1. AWS CLI installed.
- 2. AWS account with programmatic access (access key ID & secret key) , Configured CLI via `aws configure`

```
C:\Users\Snehal>aws --version
aws-cli/2.27.29 Python/3.13.3 Windows/11 exe/AMD64
C:\Users\Snehal>aws sts get-caller-identity
    "UserId": "975050115813",
    "Account": "975050115813",
    "Arn": "arn:aws:iam::975050115813:root"
C:\Users\Snehal>aws s3 ls
C:\Users\Snehal>aws ec2 describe-instances
    "Reservations": []
C:\Users\Snehal>aws iam list-users
    "Users": []
C:\Users\Snehal>aws ec2 describe-regions --output table
                                DescribeRegions
                                    Regions
              Endpoint
                                           OptInStatus
                                                                RegionName
   ec2.ap-south-1.amazonaws.com
                                       opt-in-not-required ap-south-1
   ec2.eu-north-1.amazonaws.com
                                       opt-in-not-required
                                                              eu-north-1
   ec2.eu-west-3.amazonaws.com
                                       opt-in-not-required
                                                              eu-west-3
   ec2.eu-west-2.amazonaws.com
                                       opt-in-not-required
                                                              eu-west-2
    ec2.eu-west-1.amazonaws.com
                                       opt-in-not-required
                                                              eu-west-1
    ec2.ap-northeast-3.amazonaws.com
                                       opt-in-not-required
                                                              ap-northeast-3
    ec2.ap-northeast-2.amazonaws.com
                                       opt-in-not-required
                                                              ap-northeast-2
    ec2.ap-northeast-1.amazonaws.com
                                       opt-in-not-required
                                                              ap-northeast-1
    ec2.ca-central-1.amazonaws.com
                                       opt-in-not-required
                                                              ca-central-1
                                                              sa-east-1
    ec2.sa-east-1.amazonaws.com
                                       opt-in-not-required
   ec2.ap-southeast-1.amazonaws.com opt-in-not-required
                                                            ap-southeast-1
  More --
```

3. AWS CLI returns output in **JSON** format.

```
C:\Users\Snehal>aws ec2 describe-security-groups --region ap-south-1 --query "SecurityGroups[*].[GroupId,GroupName,Description]" --output
table
                       DescribeSecurityGroups
   sg-084c2732674d3aa56
                             default
                                         default VPC security group
   sg-055347433b3773a63
C:\Users\Snehal>aws ec2 describe-security-groups --output json
    "SecurityGroups": [
             "GroupId": "sg-084c2732674d3aa56",
"IpPermissionsEgress": [
                      "IpProtocol": "tcp",
"FromPort": 22,
                     "ToPort": 22,
"UserIdGroupPairs": [],
                      "IpRanges": [
                              "CidrIp": "0.0.0.0/0"
                     ],
"Ipv6Ranges": [],
   More --
```

4. Basic AWS CLI commands for common AWS services.

```
C:\Users\Snehal>aws s3 ls
2025-06-10 14:19:46 cli-practice-s3-bucket

C:\Users\Snehal>aws s3 cp "D:\Snehal\Hackathon PHN\Medico\templates\auth.html" s3://cli-practice-s3-bucket/medico-index.html
upload: D:\Snehal\Hackathon PHN\Medico\templates\auth.html to s3://cli-practice-s3-bucket/medico-index.html

C:\Users\Snehal>aws s3 ls s3://cli-practice-s3-bucket/
2025-06-10 14:25:15 3134 index.html

2025-06-10 14:27:55 5579 medico-index.html

C:\Users\Snehal>aws s3 rm s3://cli-practice-s3-bucket/medico-index.html

C:\Users\Snehal>aws s3 ls s3://cli-practice-s3-bucket/
2025-06-10 14:25:15 3134 index.html

C:\Users\Snehal>aws s3 ls s3://cli-practice-s3-bucket/
download: s3://cli-practice-s3-bucket/index.html to Local folder\index.html

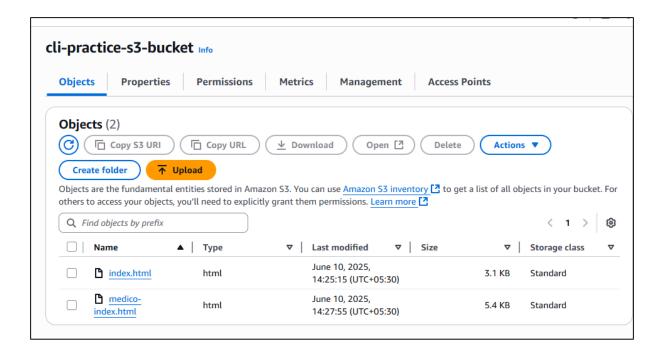
C:\Users\Snehal>aws s3 sync s3://cli-practice-s3-bucket/index.html "./Local folder/index.html

C:\Users\Snehal>aws s3 cp s3://cli-practice-s3-bucket/index.html "./Local folder/index.html

C:\Users\Snehal>aws s3 cp s3://cli-practice-s3-bucket/index.html "./Local folder/index.html

C:\Users\Snehal>
```

5. **S3 bucket creation** from the CLI, Uploaded a File and listed Objects in the Bucket.



6. **Disconnected** AWS connection with CLI.

```
C:\Users\Snehal>aws sts get-caller-identity
{
    "UserId": "975050115813",
    "Account": "975050115813",
    "Arn": "arn:aws:iam::975050115813:root"
}

C:\Users\Snehal>del %USERPROFILE%\.aws\credentials

C:\Users\Snehal>del %USERPROFILE%\.aws\config

C:\Users\Snehal>aws sts get-caller-identity

Unable to locate credentials. You can configure credentials by running "aws configure".

C:\Users\Snehal>
```