AMITY SCHOOL OF ENGINERRING & TECHNOLOGY

(Academic Year 2022-23)

LAB-3(b)

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Class: B.Tech(CSE) **Semester:** 7

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AIM:

1. Set the MFA for Root AWS user.

2. Set the password policy.

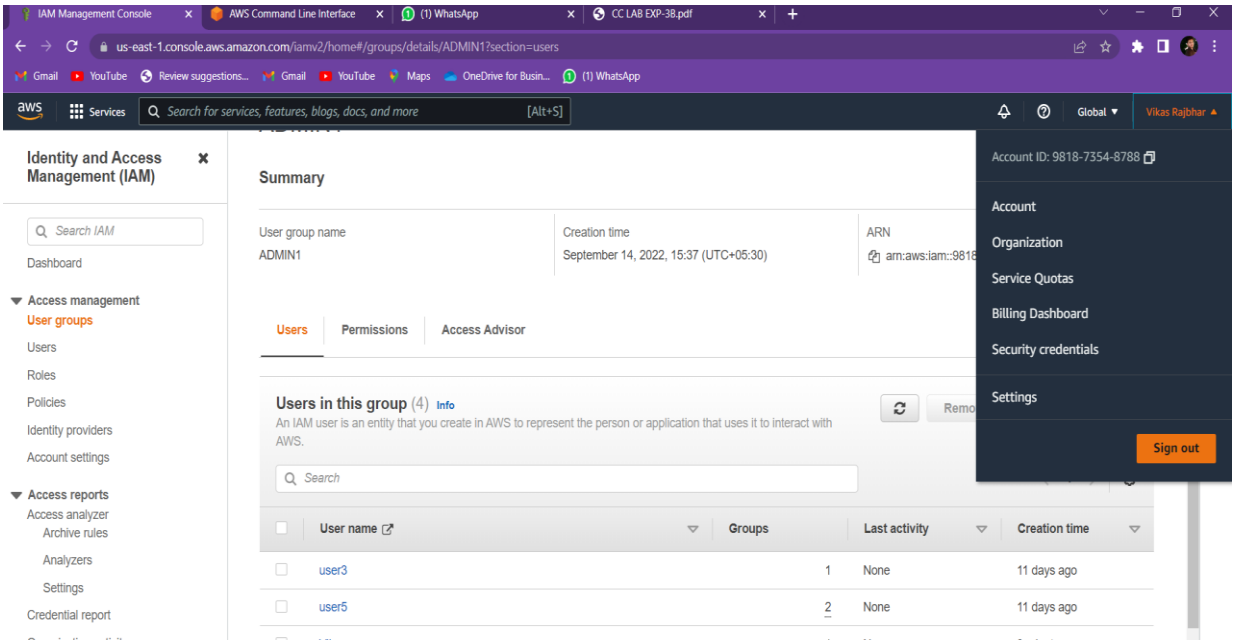
3. Configure AWS CLI. (work with different user creation and deletion and group creation and deletion).

4. Create IAM Role.

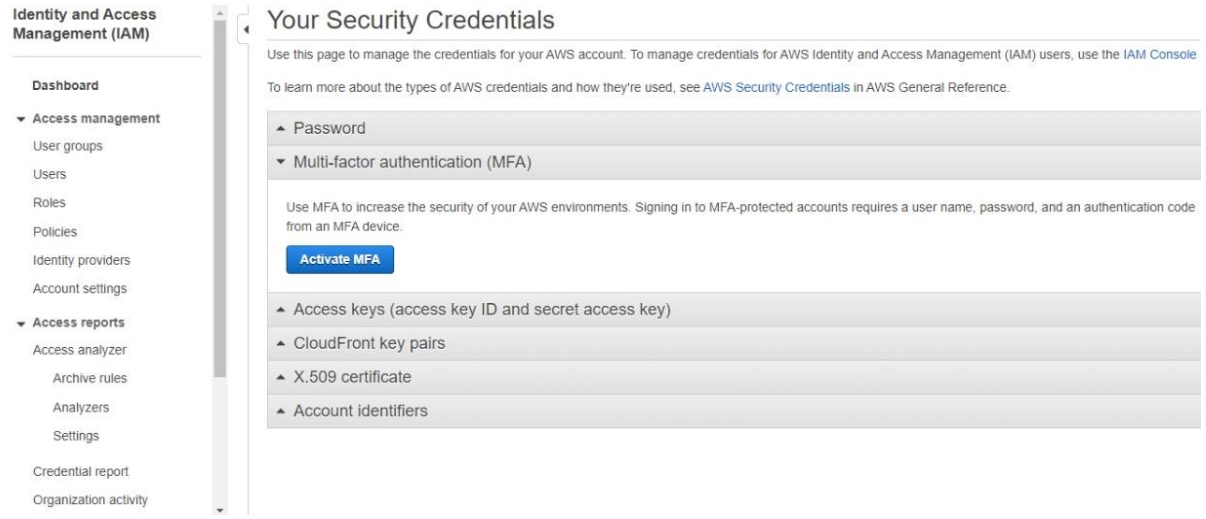
5. AWS command.

1. Set the mfa for root aws user

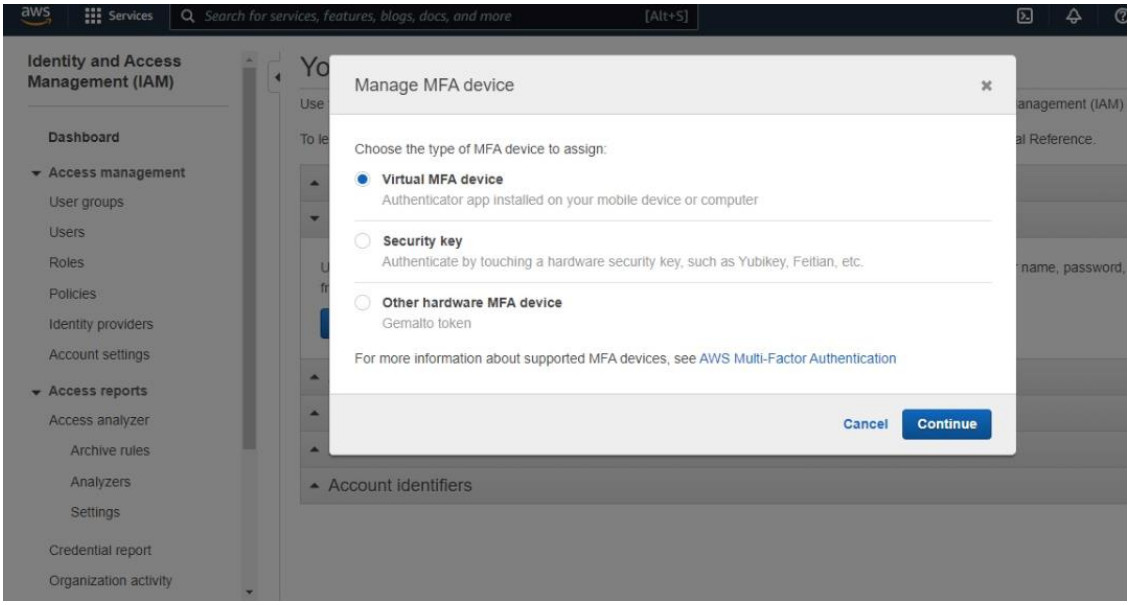
a) First, click on your username and select **Security credentials.**



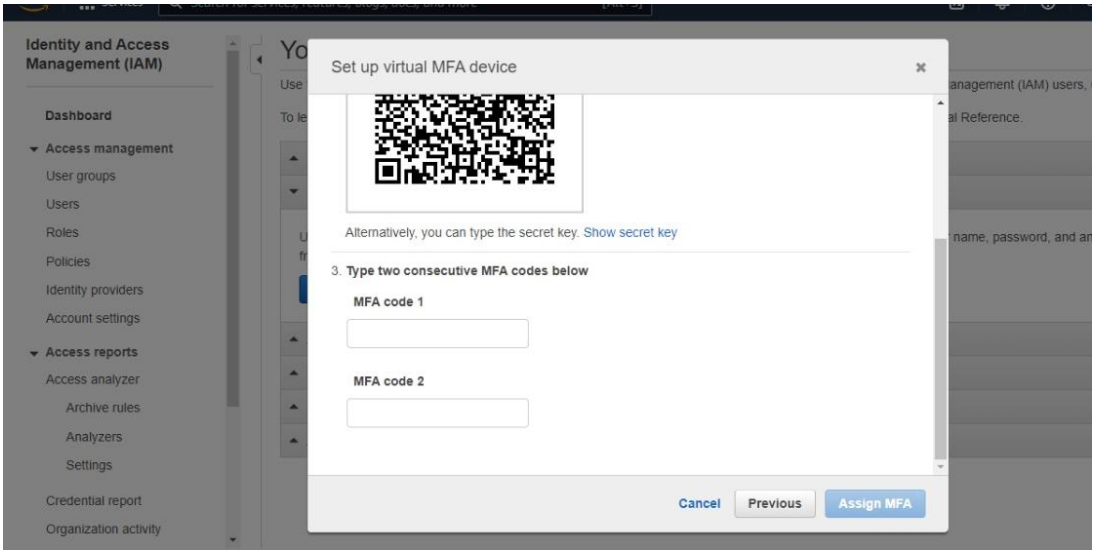
b) Now Click on **Multi-factor authentication** and click on **Activate MFA.**



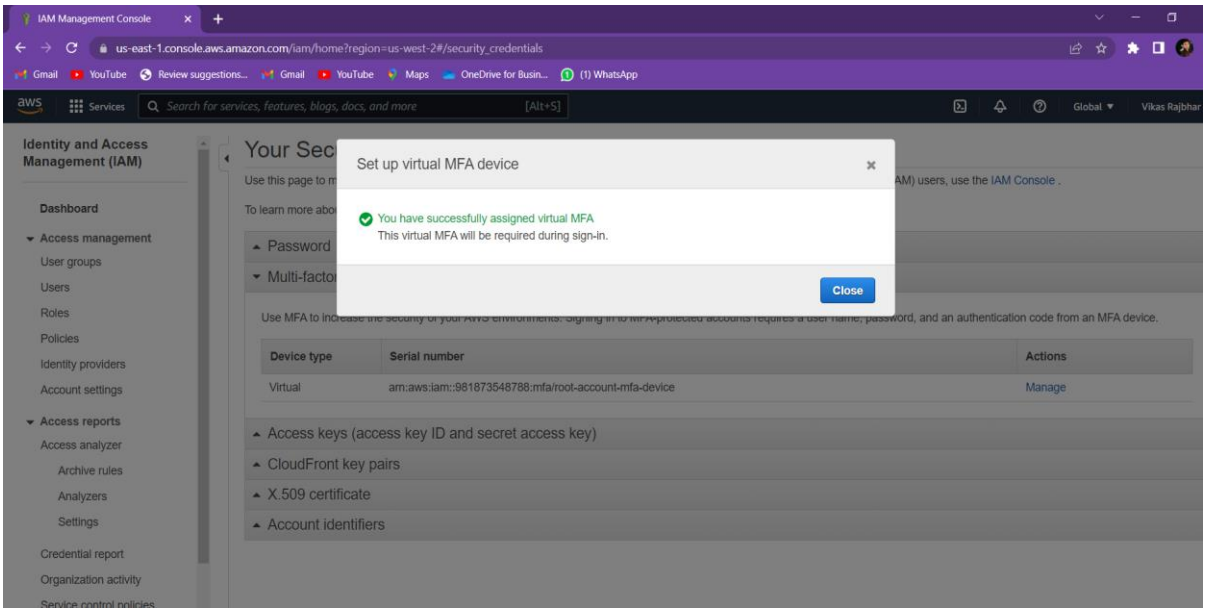
c) Now select **virtual MFA device** and click continue



d) Now, scan the QR code and then type the two consecutive MFA codes from the 2FA app.

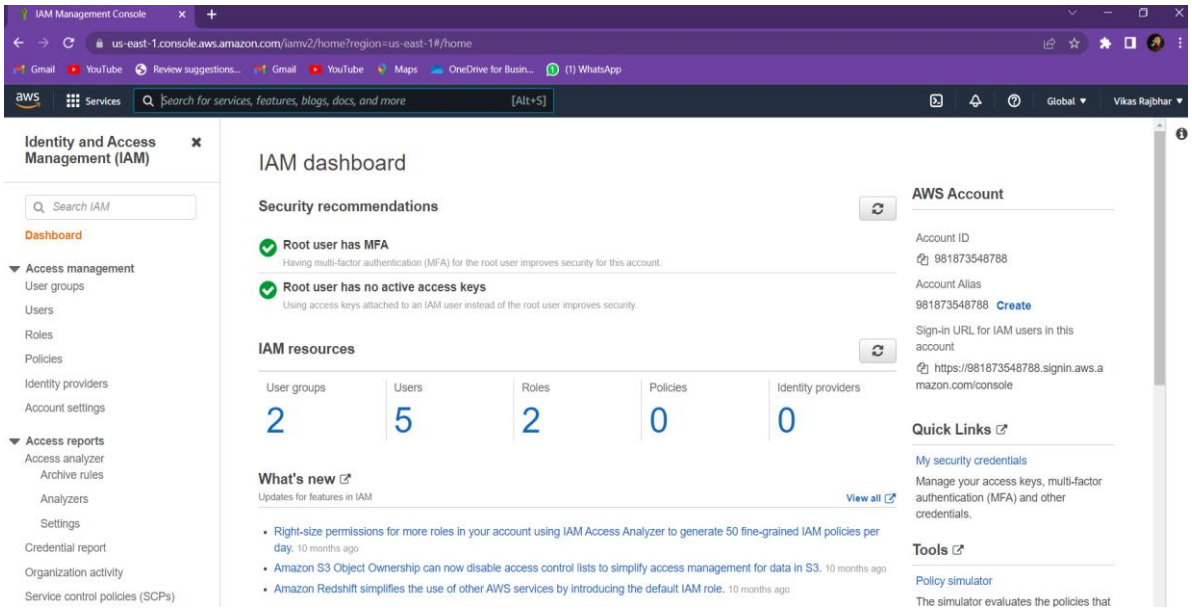


e) You have successfully assigned virtual MFA

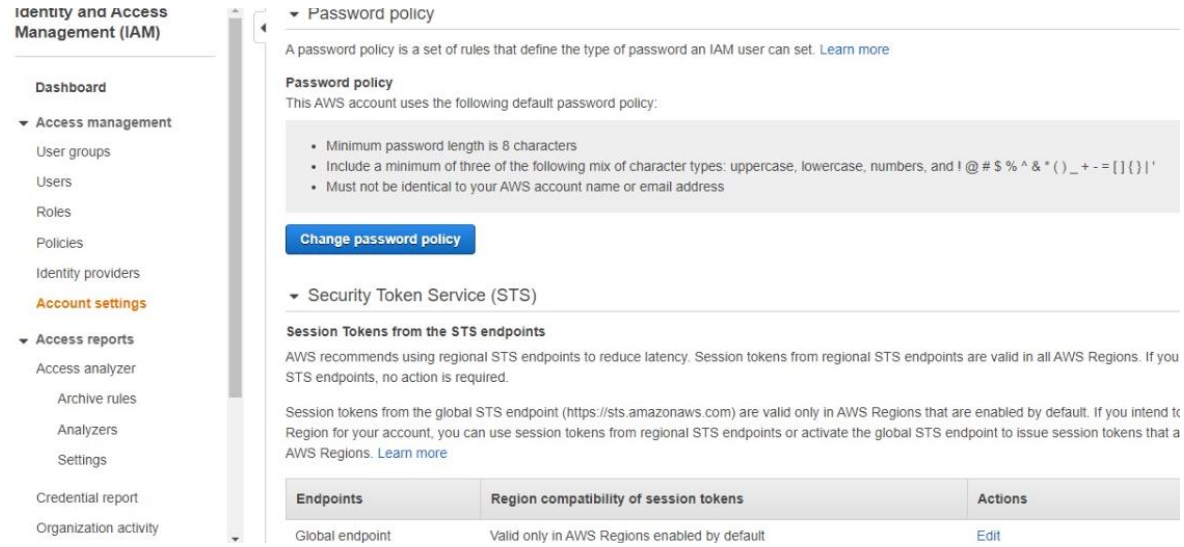


2. Set the password policy

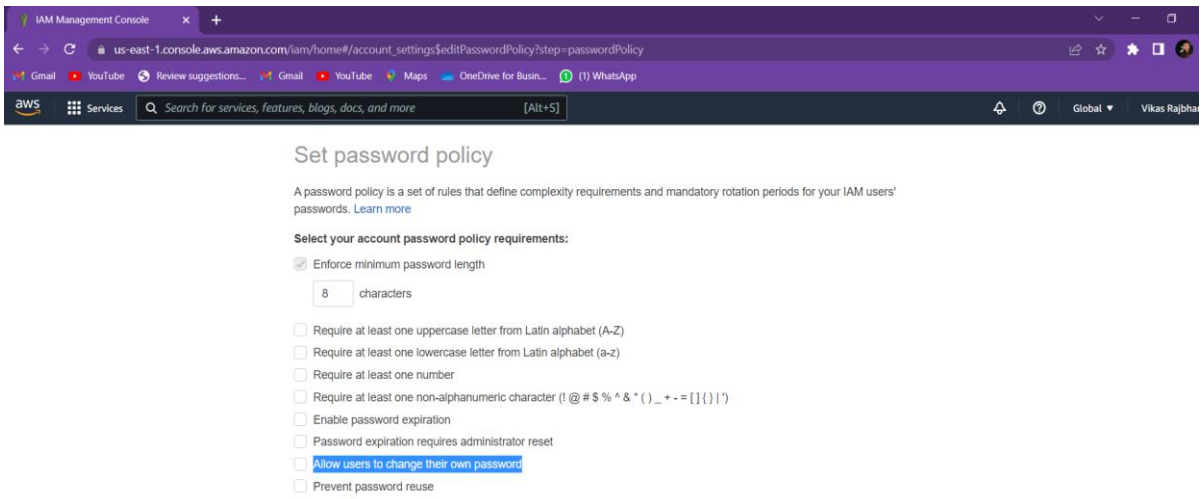
a) Go to IAM dashboard



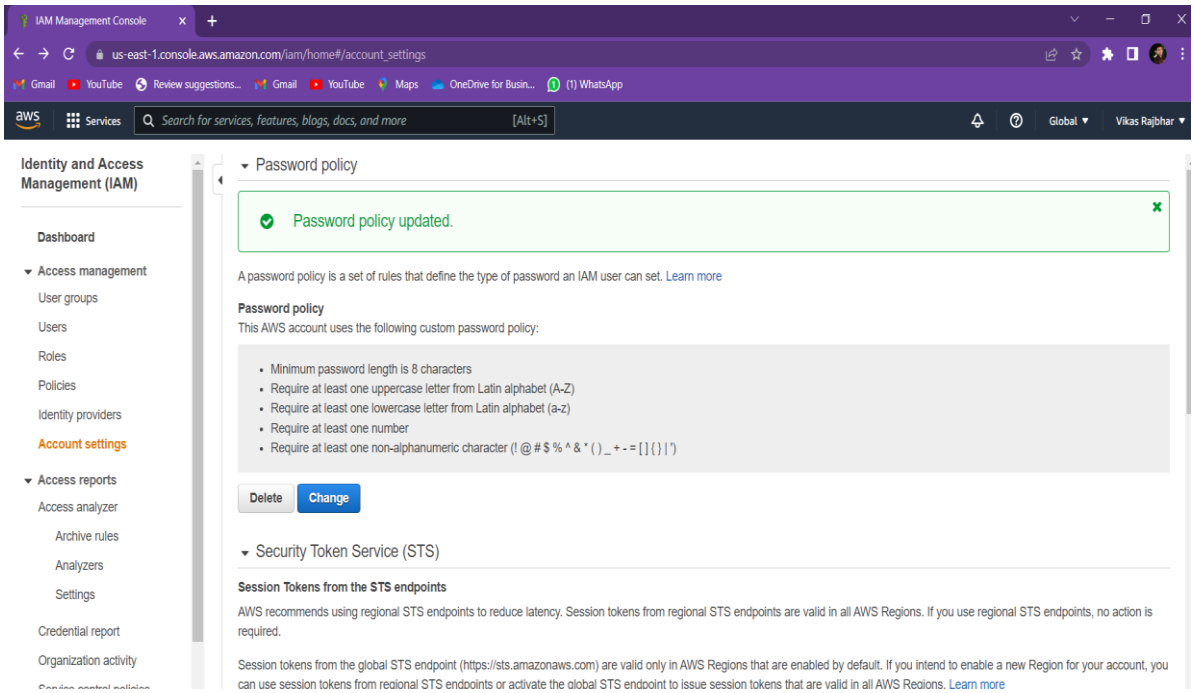
b) Go to **Account setting** and click on **Change password policy**



c) Set the password policy and click on **Save changes**

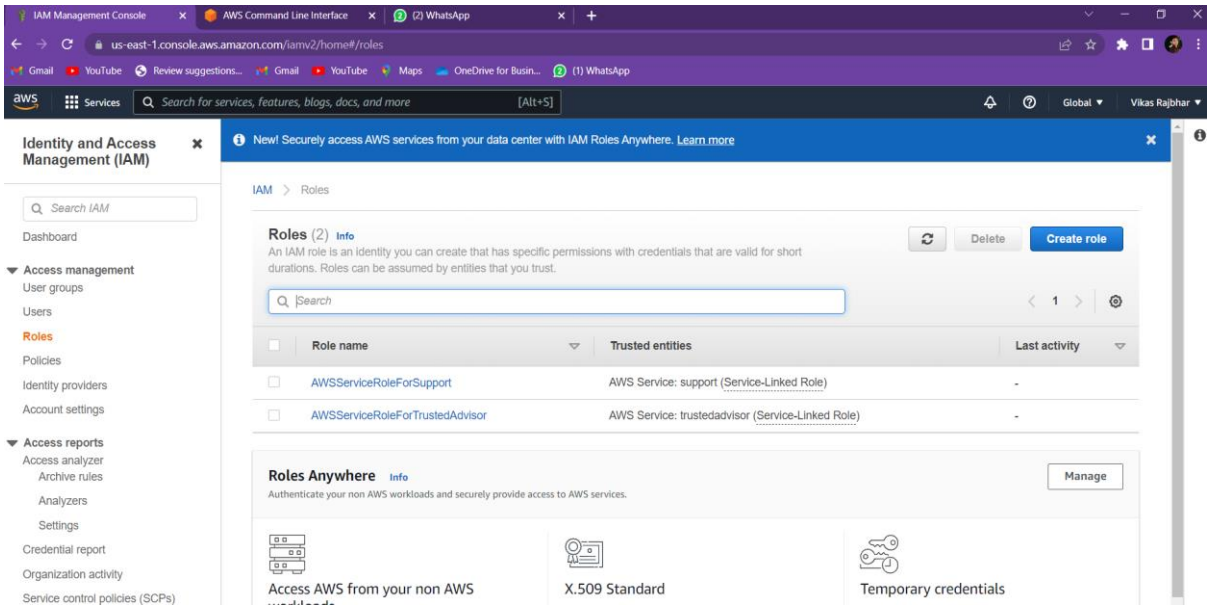


d) The password policy has been updated successfully.

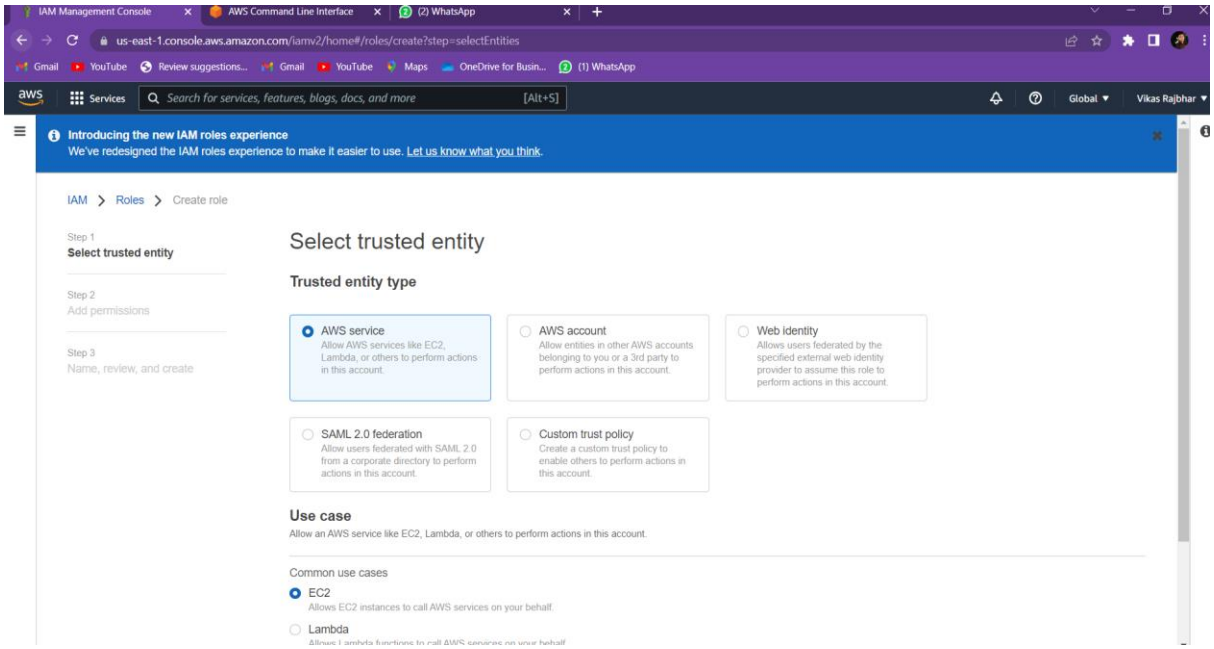


3. Create iam role

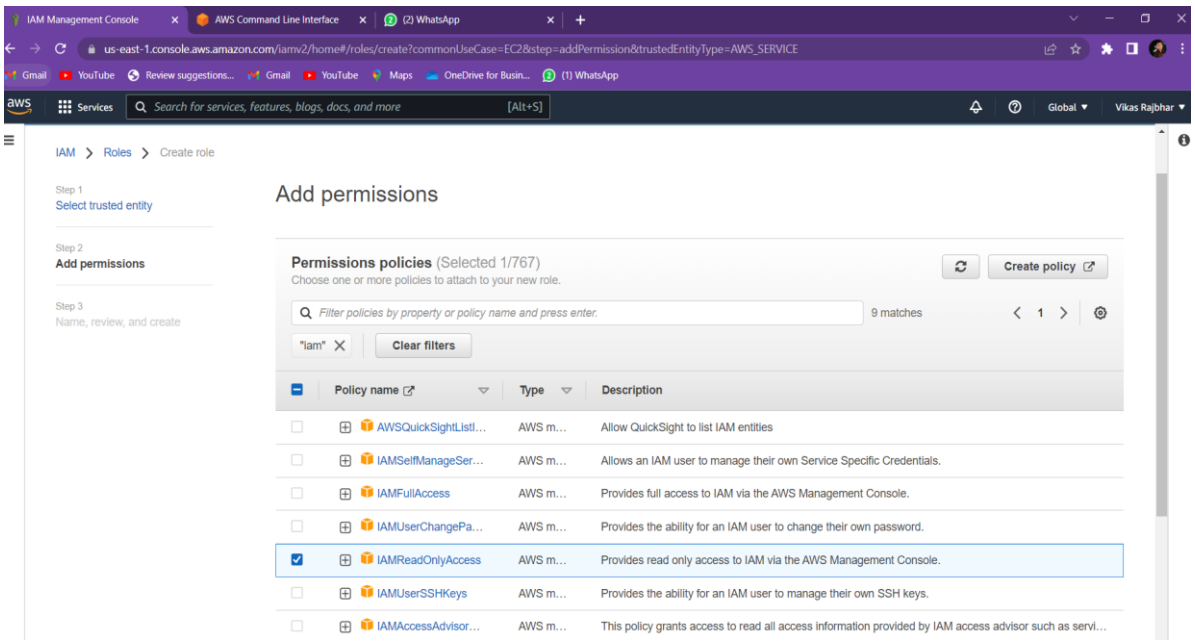
a) Go to IAM dashboard and click on **Roles** then click on create role.



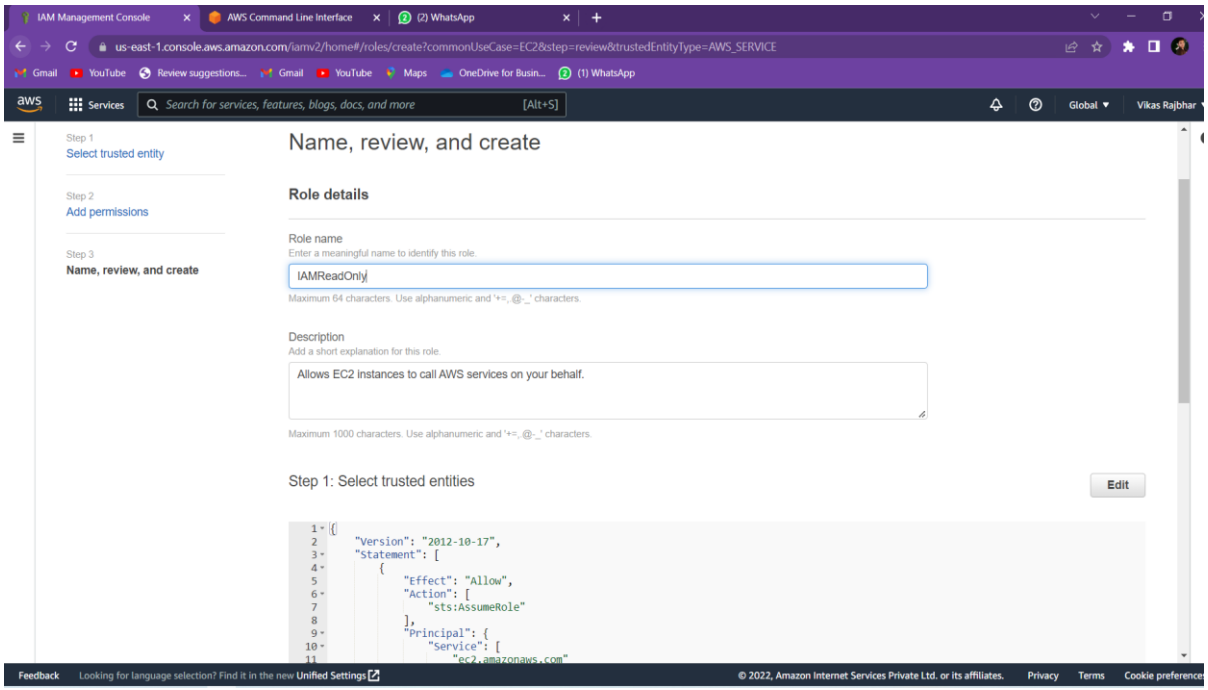
b) Select trusted entity type as **AWS service** and for the Use case select **EC2**. Click **Next**.

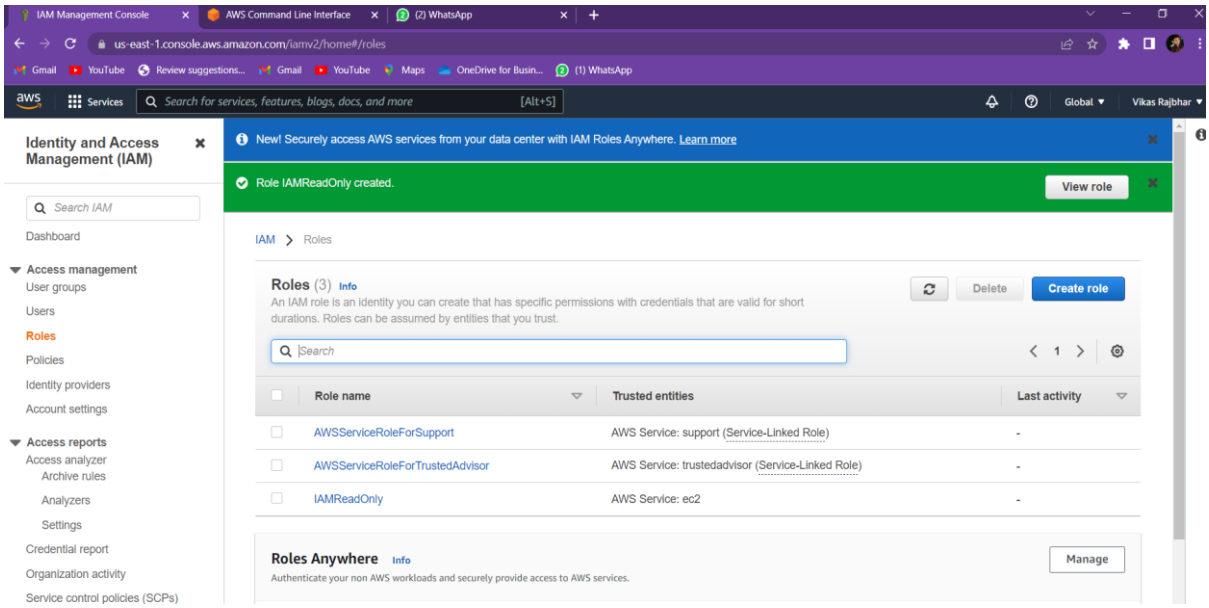


c) Select the desired permissions and then click **Next.**



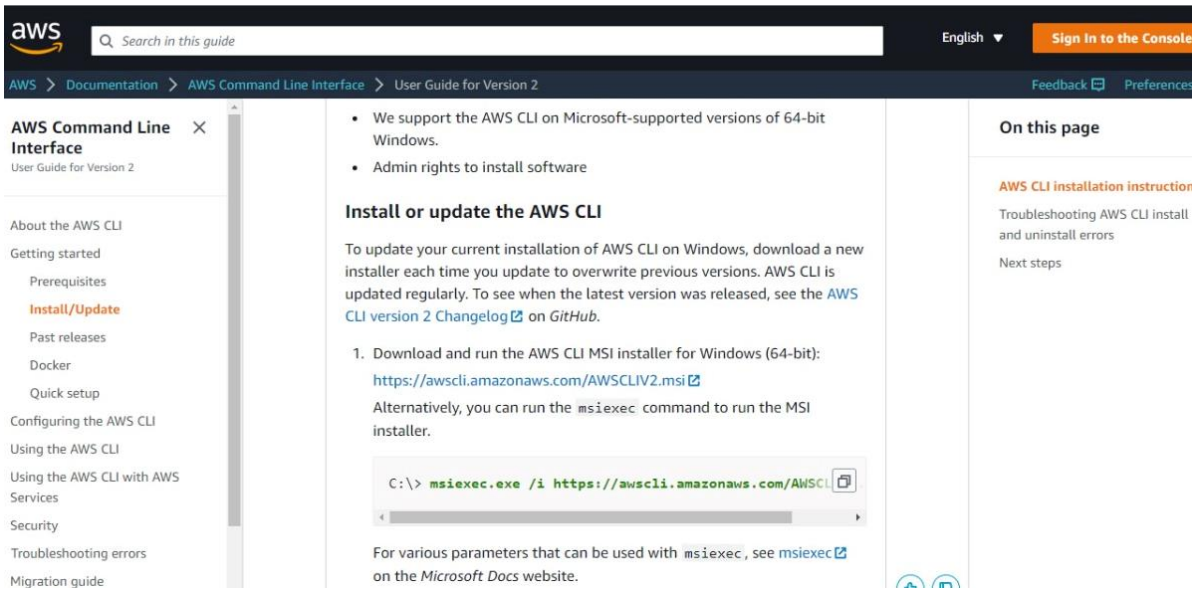
d) Enter a name for the role then click on **Create role.**
New role is created



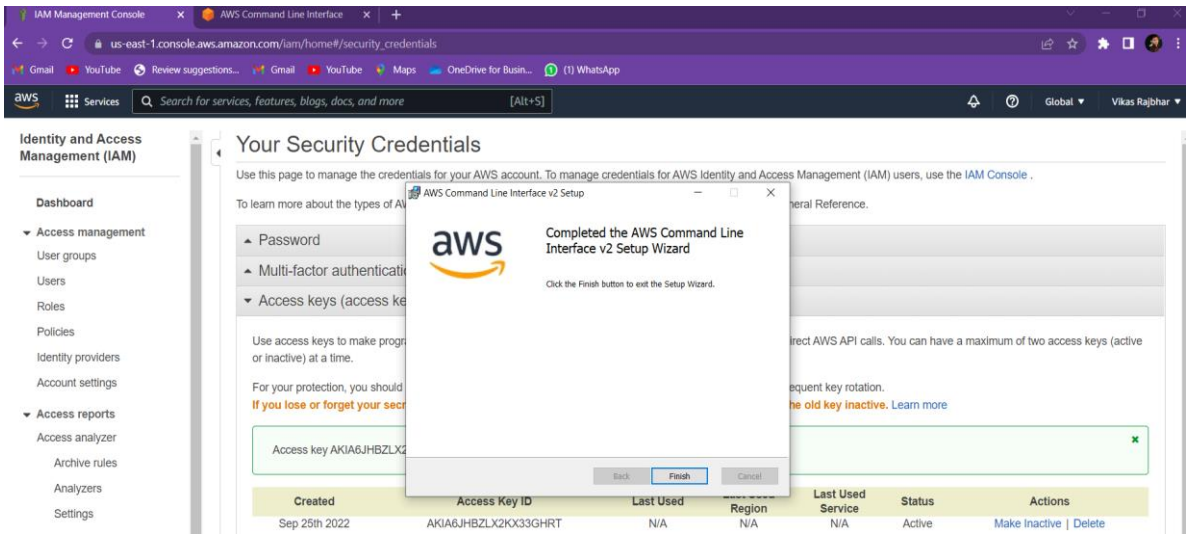


4. Installing and using aws cli.

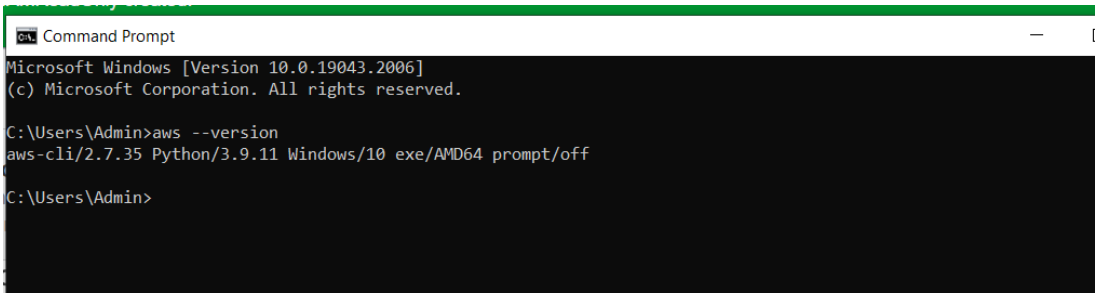
a) Search for aws cli installation wizard and download it.



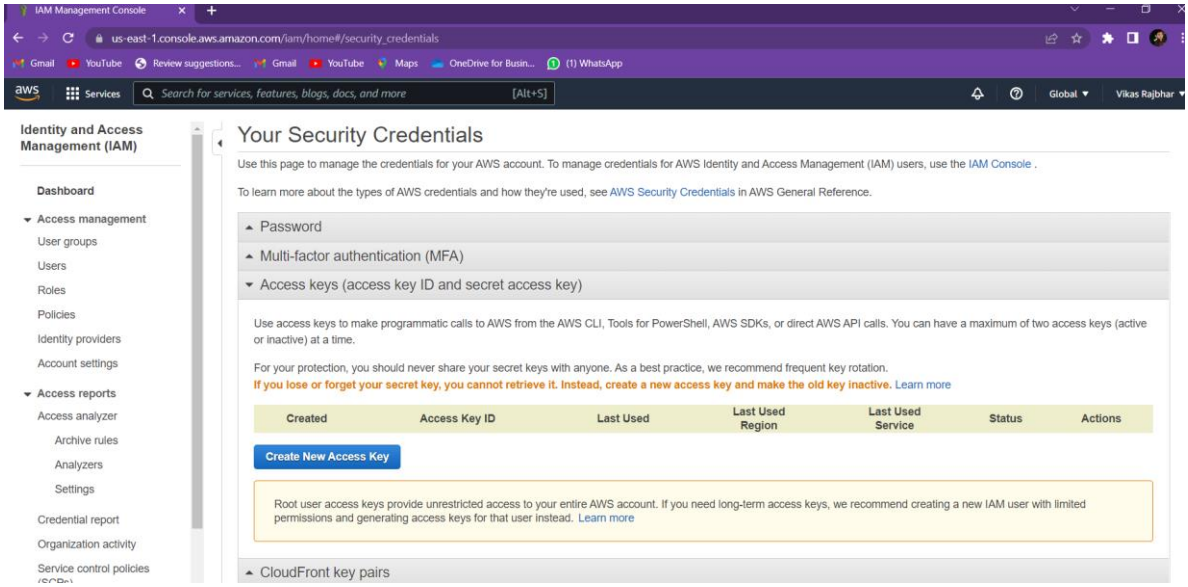
b) Run the wizard.
Complete the installation



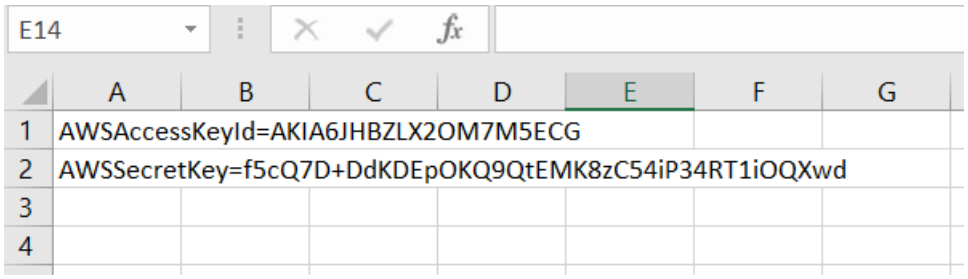
c) Confirm the installation using the **aws --version** command in the command prompt.

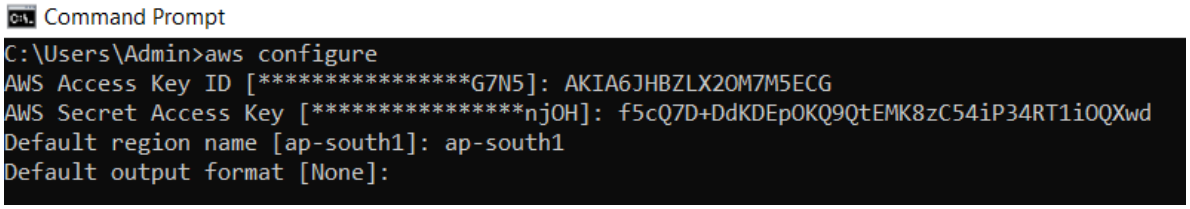


d) Now go to **Security credential** in your profile and click on **Access key** to **Create New Access Key.**



e) Use the Access key and secret key to Configure admin user.





5. AWS cli commands

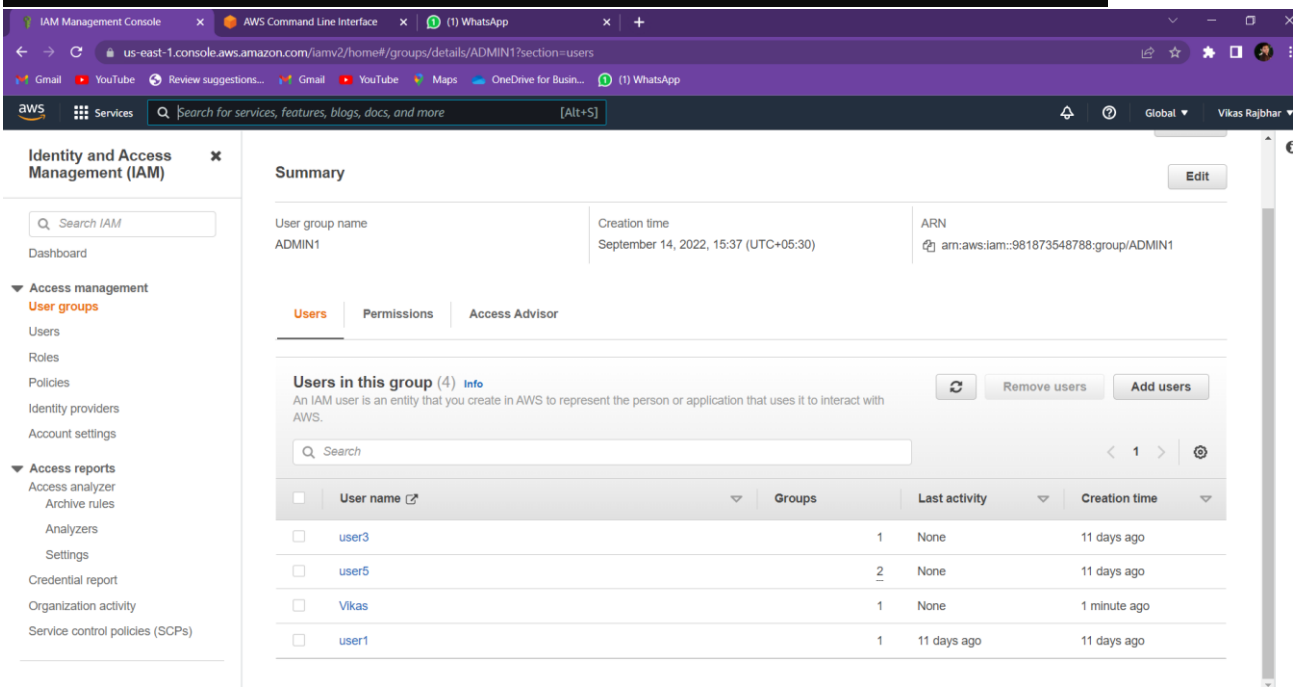
a)Showing Number of iam users

Command Prompt

```
C:\Users\Admin>aws configure
AWS Access Key ID [****************G7N5]: AKIA6JHBZLX2OM7M5ECG
AWS Secret Access Key [****************njOH]: 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
Default region name [ap-south1]: ap-south1
Default output format [None]:

C:\Users\Admin>aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "user1",
            "UserId": "AIDA6JHBZLX2JBKCM4JE4",
            "Arn": "arn:aws:iam::981873548788:user/user1",
            "CreateDate": "2022-09-14T10:11:53+00:00",
            "PasswordLastUsed": "2022-09-14T10:14:36+00:00"
        },
        {
            "Path": "/",
            "UserName": "user2",
            "UserId": "AIDA6JHBZLX2LK44UDSWU",
            "Arn": "arn:aws:iam::981873548788:user/user2",
            "CreateDate": "2022-09-14T10:38:59+00:00"
        },
        {
            "Path": "/",
            "UserName": "user3",
            "UserId": "AIDA6JHBZLX2COG34G62S",
            "Arn": "arn:aws:iam::981873548788:user/user3",
            "CreateDate": "2022-09-14T11:12:19+00:00"
        },
        {
            "Path": "/",
            "UserName": "user4",
            "UserId": "AIDA6JHBZLX2M7OIIP5BN",
            "Arn": "arn:aws:iam::981873548788:user/user4",
            "CreateDate": "2022-09-14T11:15:10+00:00"
        },
        {
            "Path": "/",
            "UserName": "user5",
            "UserId": "AIDA6JHBZLX2DEEC73CKJ",
            "Arn": "arn:aws:iam::981873548788:user/user5",
            "CreateDate": "2022-09-14T11:17:48+00:00"
        }
    ]
}


C:\Users\Admin>
```

b) Creating user with username Vikas

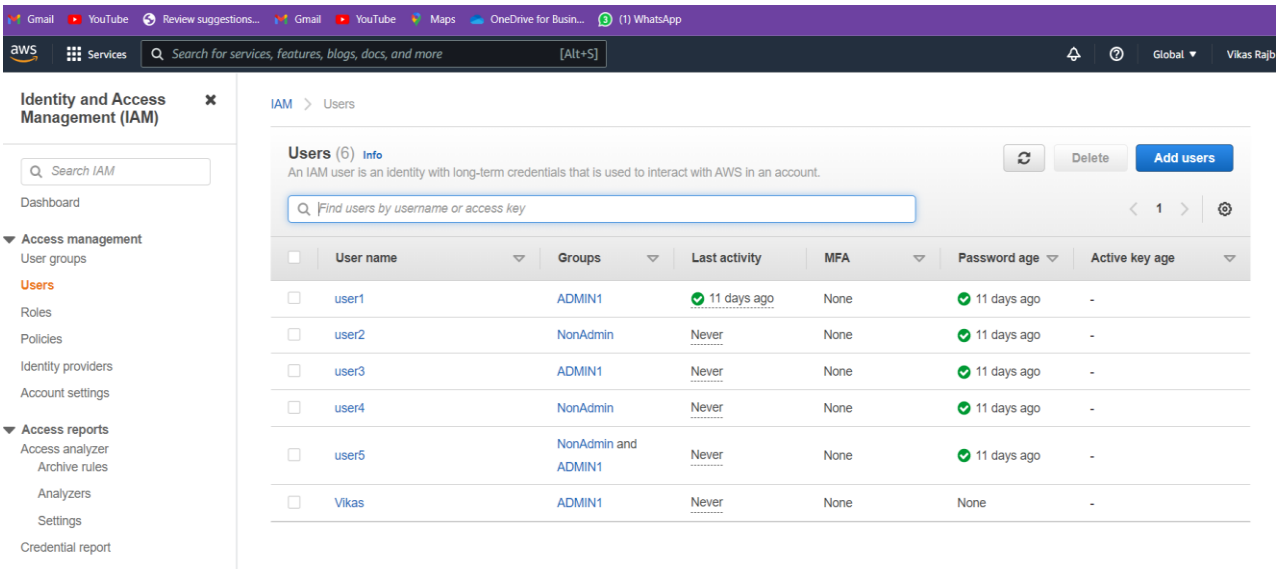
```
C:\Users\Admin>aws iam create-user --user-name Vikas
{
    "User": {
        "Path": "/",
        "UserName": "Vikas",
        "UserId": "AIDA6JHBZLX2DPAHT53YF",
        "Arn": "arn:aws:iam::981873548788:user/Vikas",
        "CreateDate": "2022-09-25T13:06:56+00:00"
    }
}


C:\Users\Admin>
```



c)Adding the user Vikas to a group Admin1

Command Prompt

```
Microsoft Windows [Version 10.0.19043.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>aws iam add-user-to-group --group-name ADMIN1 --user-name Vikas
```



d)remove user from admin group from console

```
C:\Users\Admin>aws iam delete-user --user-name Vikas
```