SOP0001 IAM & MFA CREATION

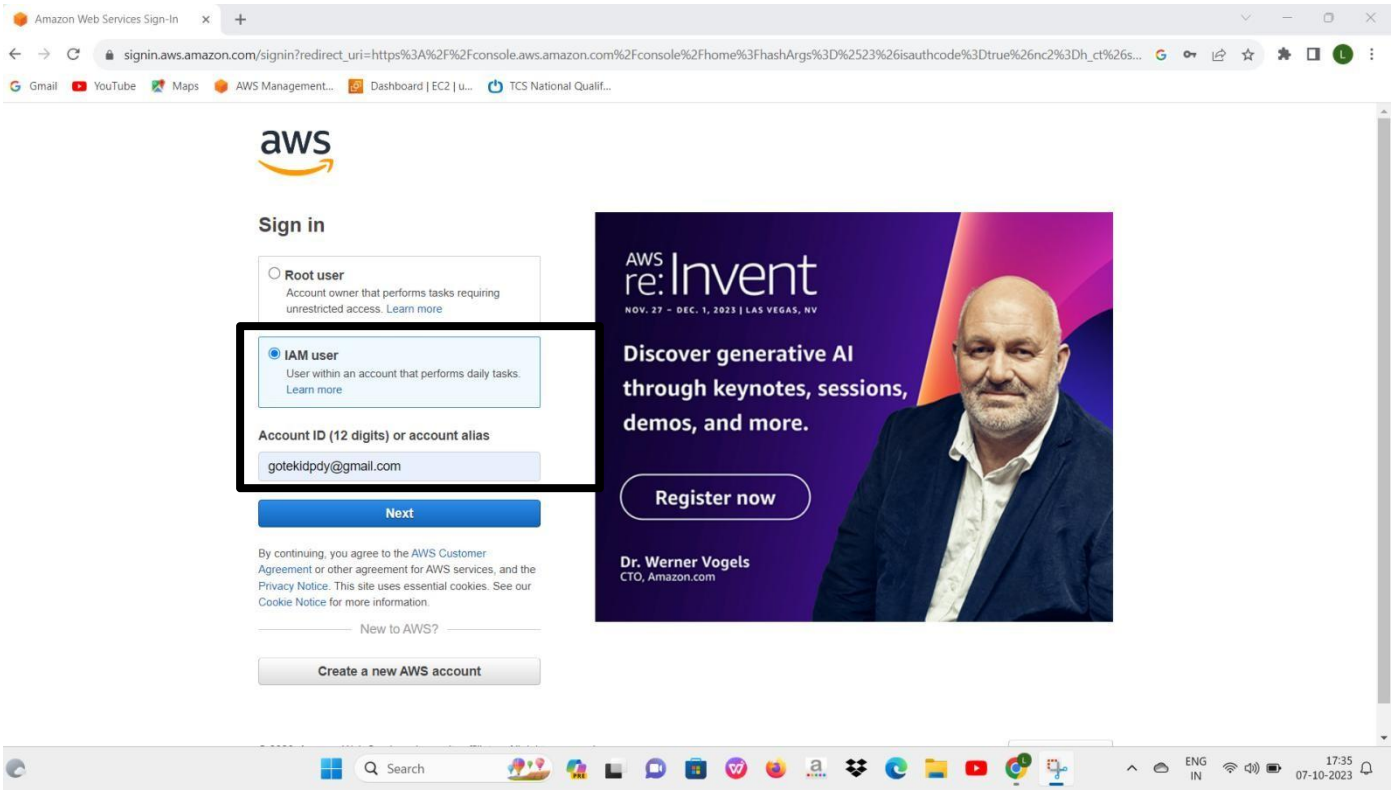
Document Version / Détails : Ver 0.1

Record of Release

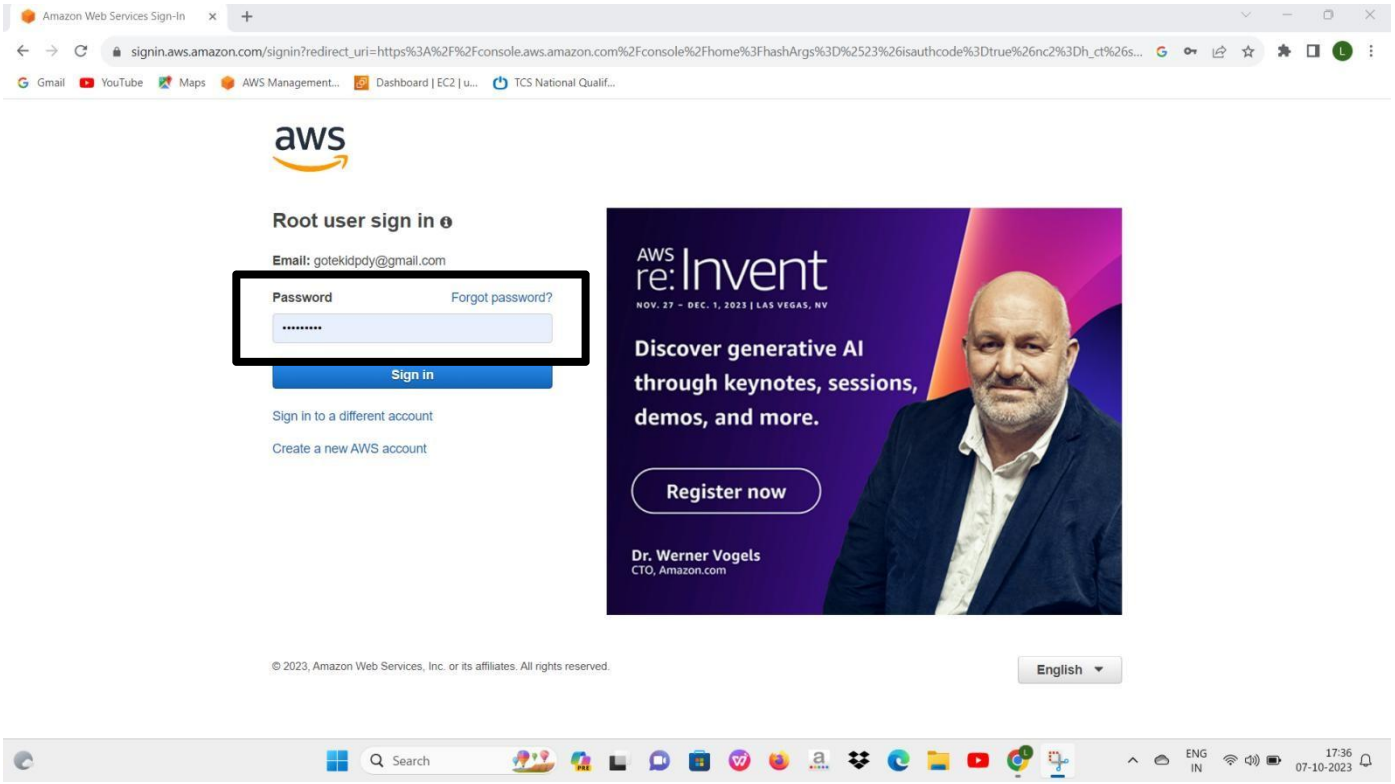
Version No.	Modified By	Reviewed By	Authorized By	Release Date	Modifications Done
0.1					Initial Version
1.0					
1.1					

1.0 Objective

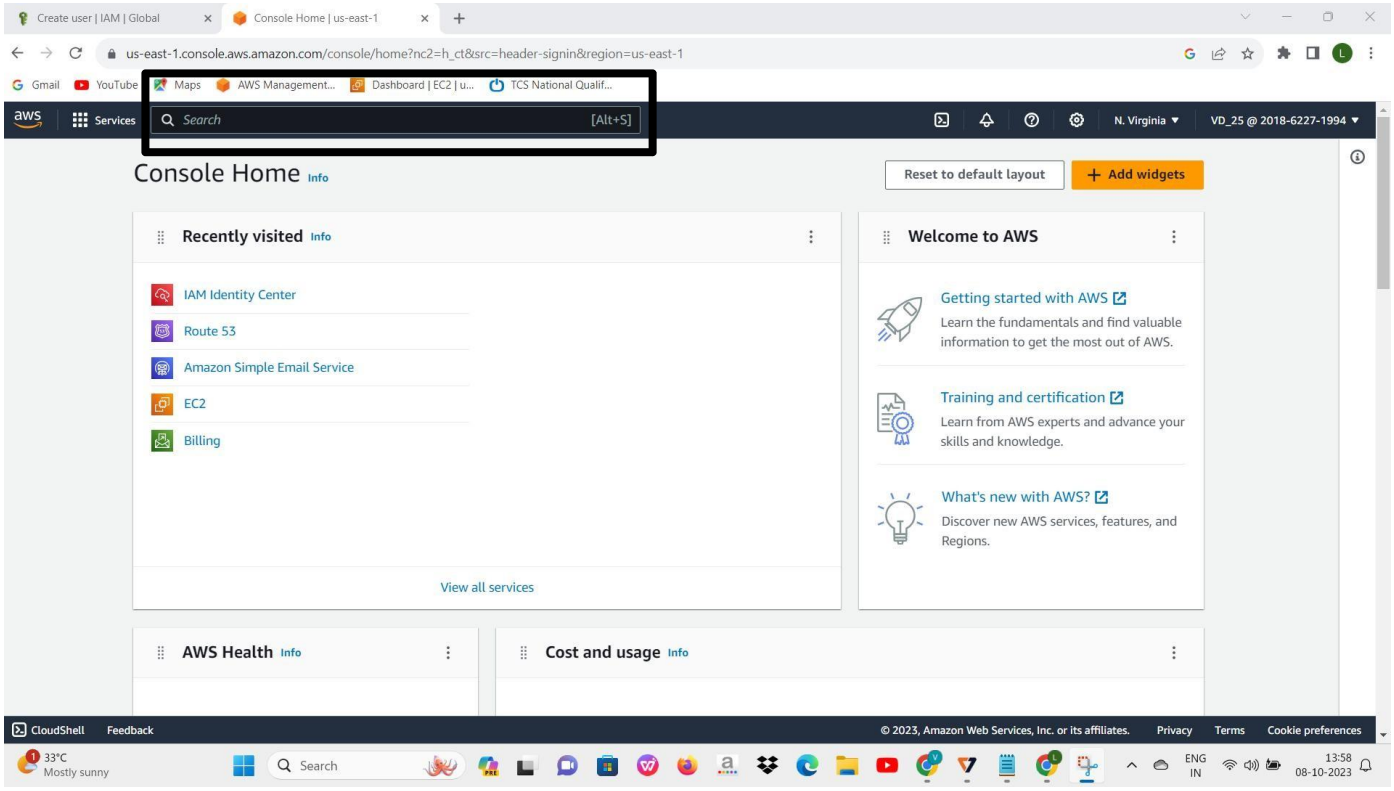
The objective of this document is to the IAM & MFA creation .



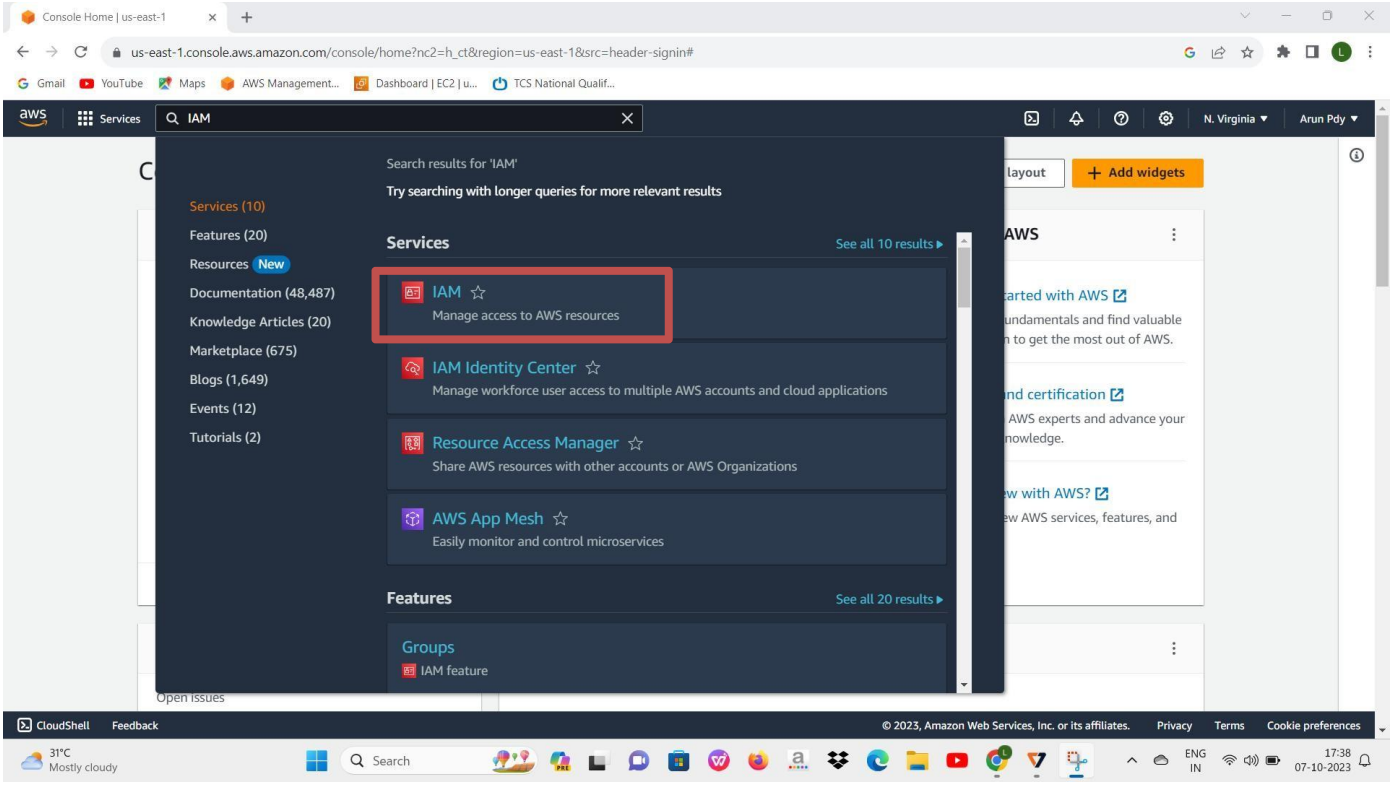
- Go with sign page .
  https://console.aws.amazon.com/ec2/
- Sign with the root user .
- Enter your email id .



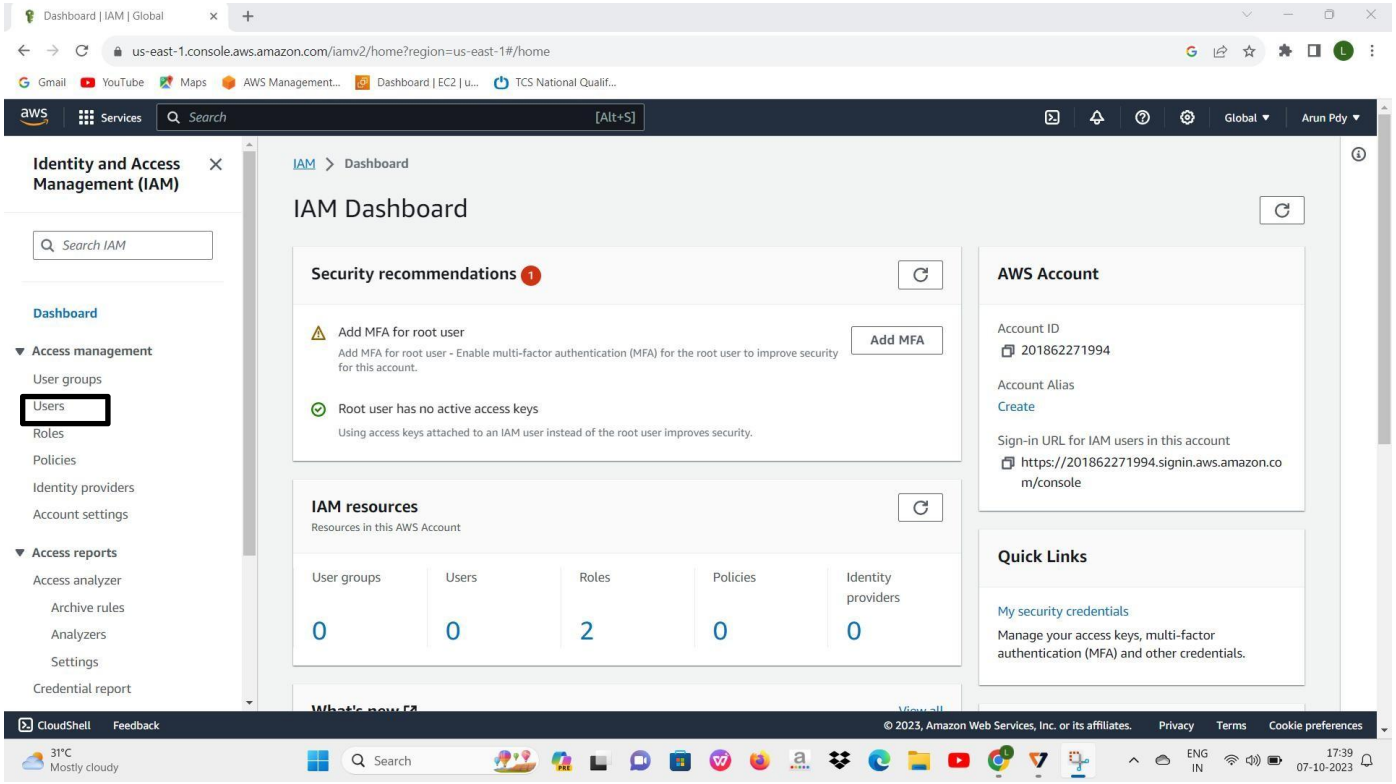
- Enter your password .
- Then sign up .



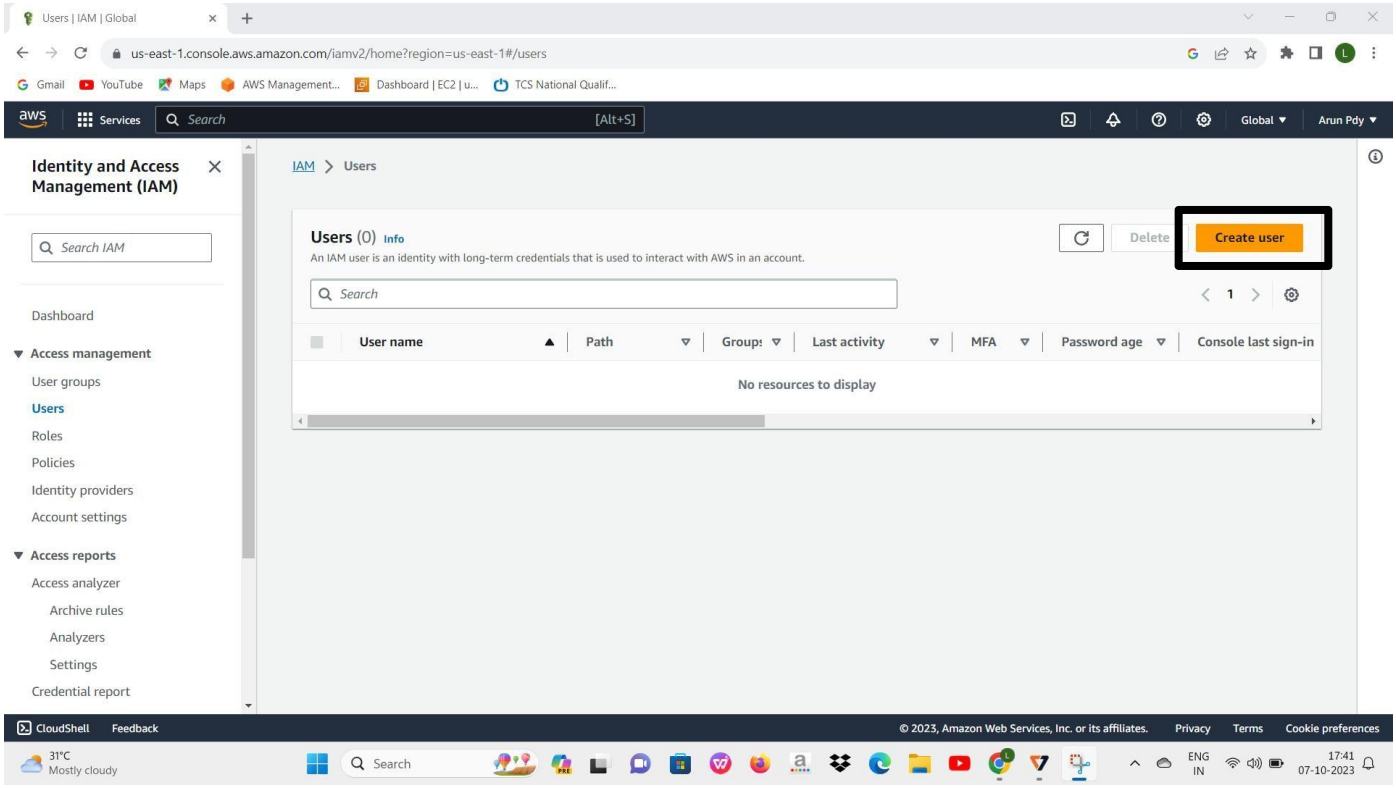
- In the Search box type IAM



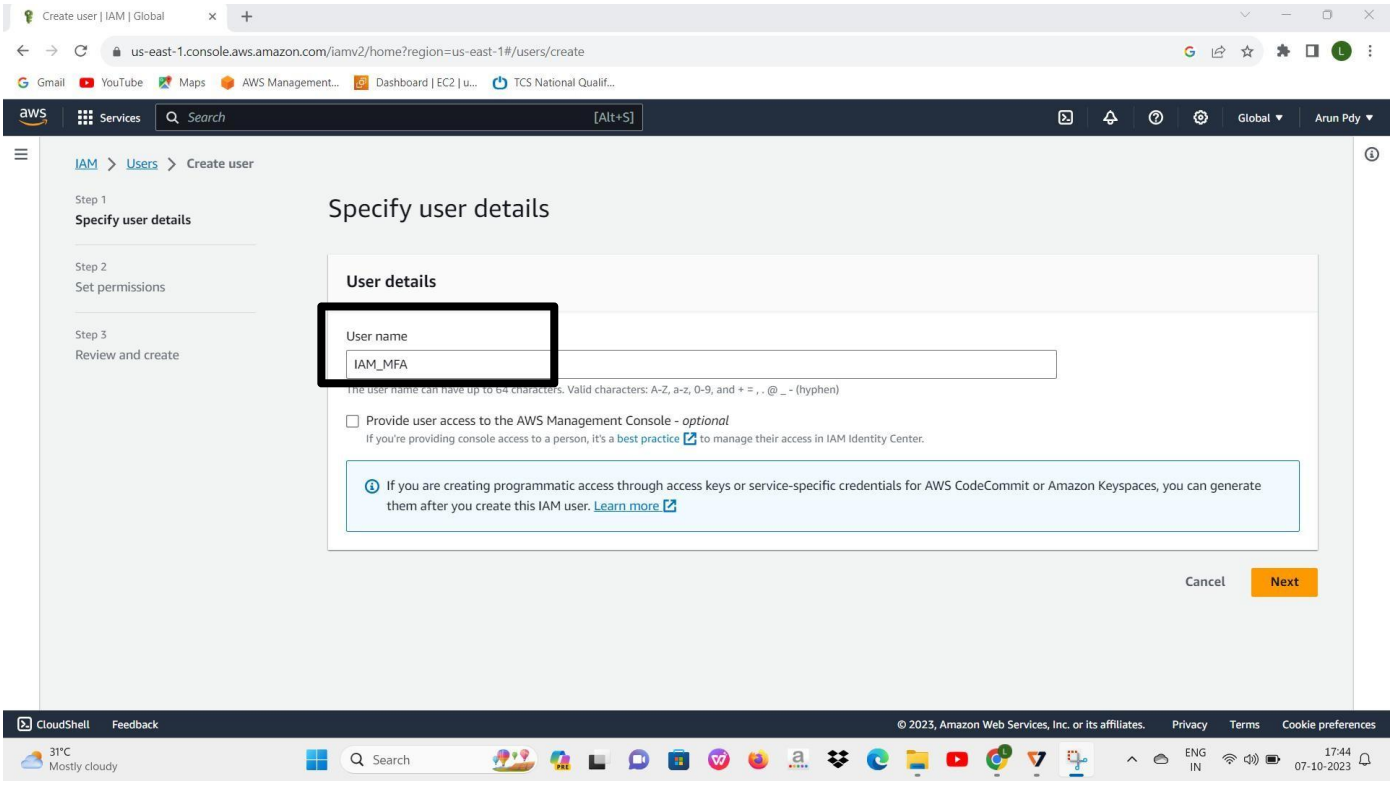
- Click the IAM .



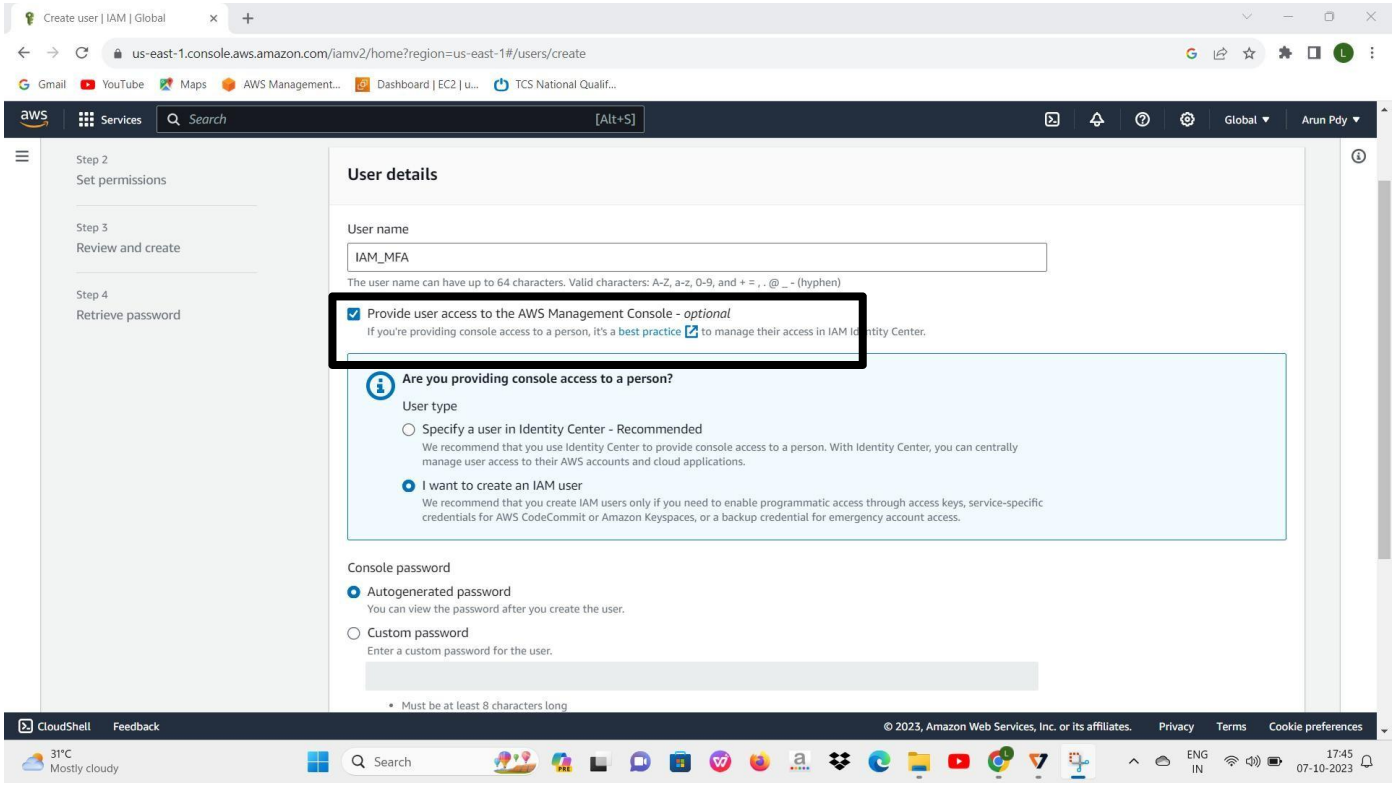
- Click The users.



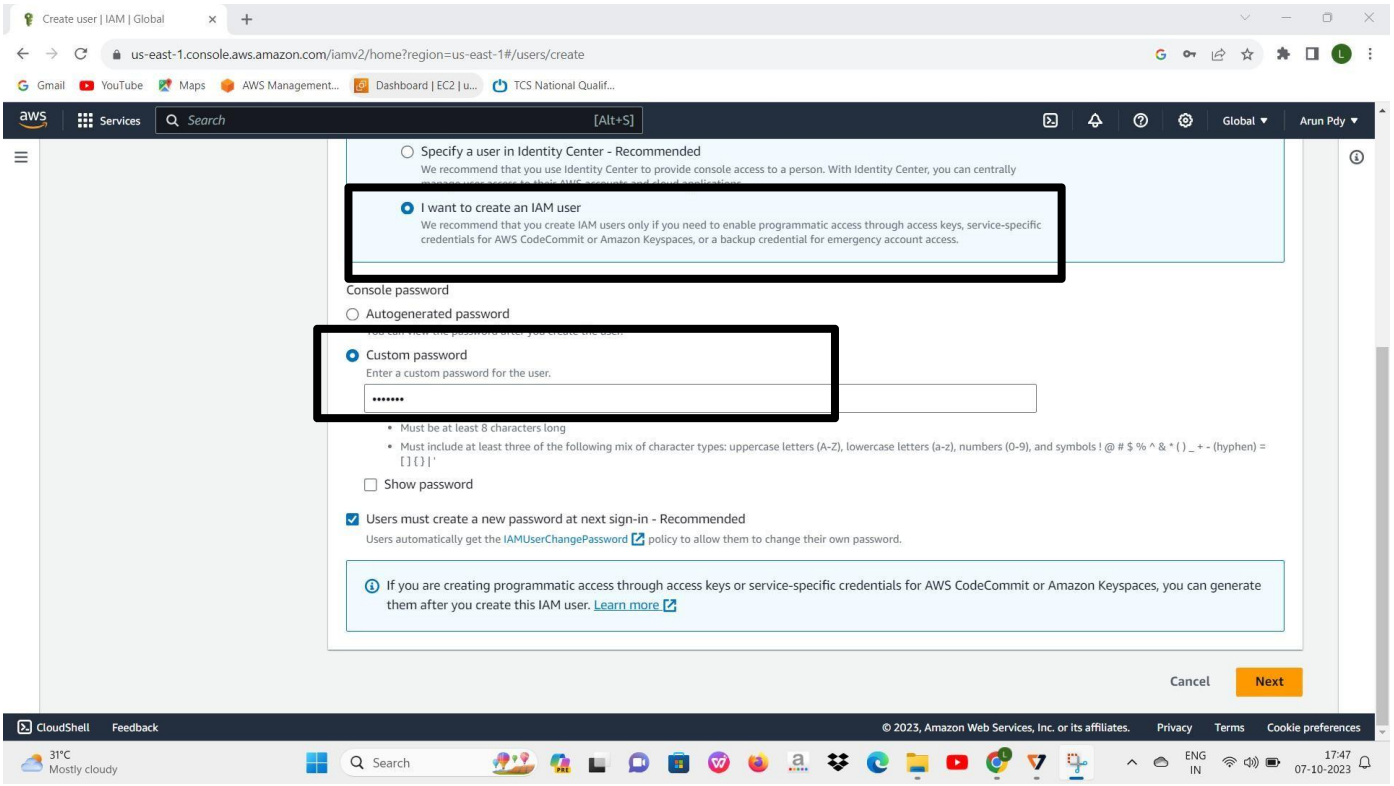
- Click the create user.



- Enter the user name.

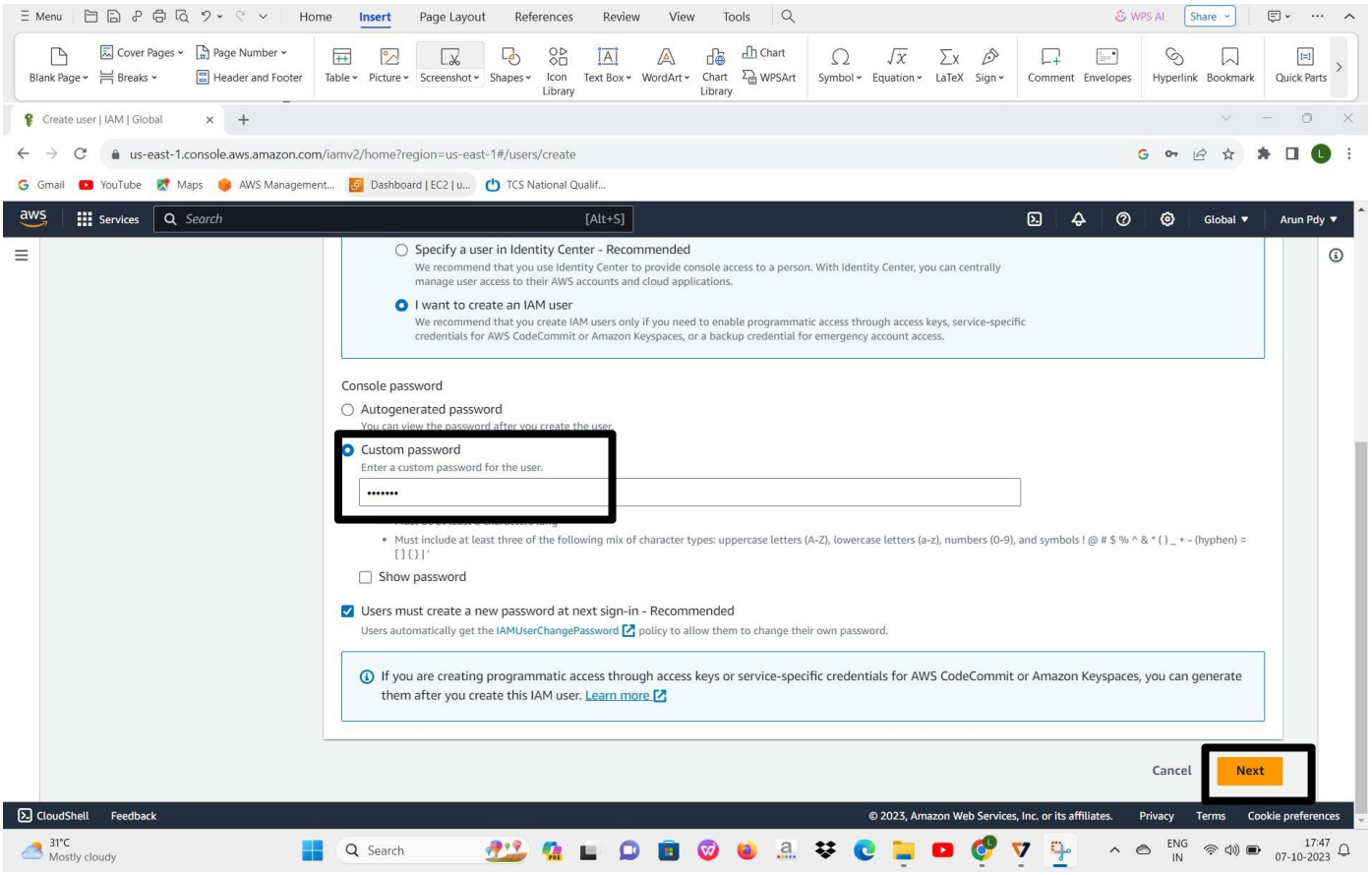


- select provide user access

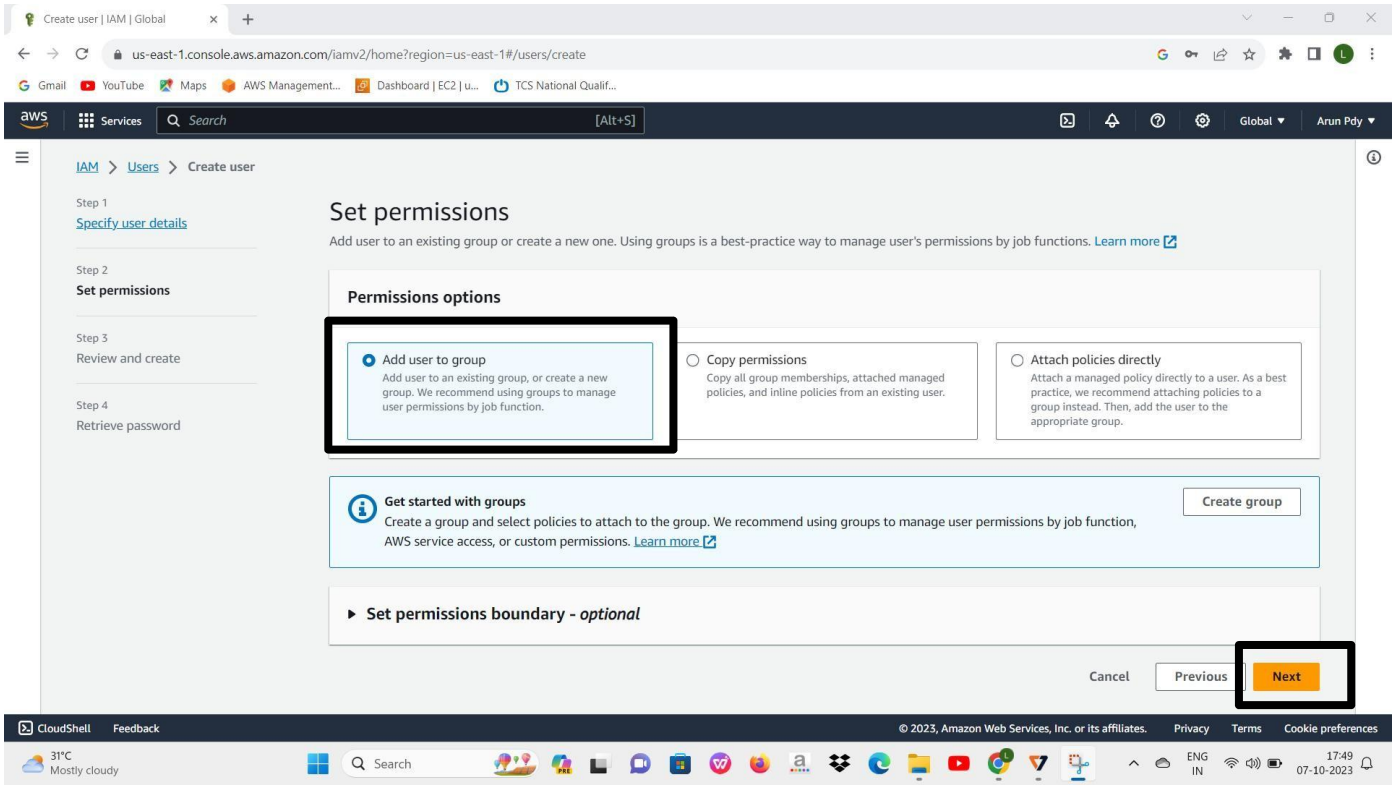


- select I want to create an IAM user.

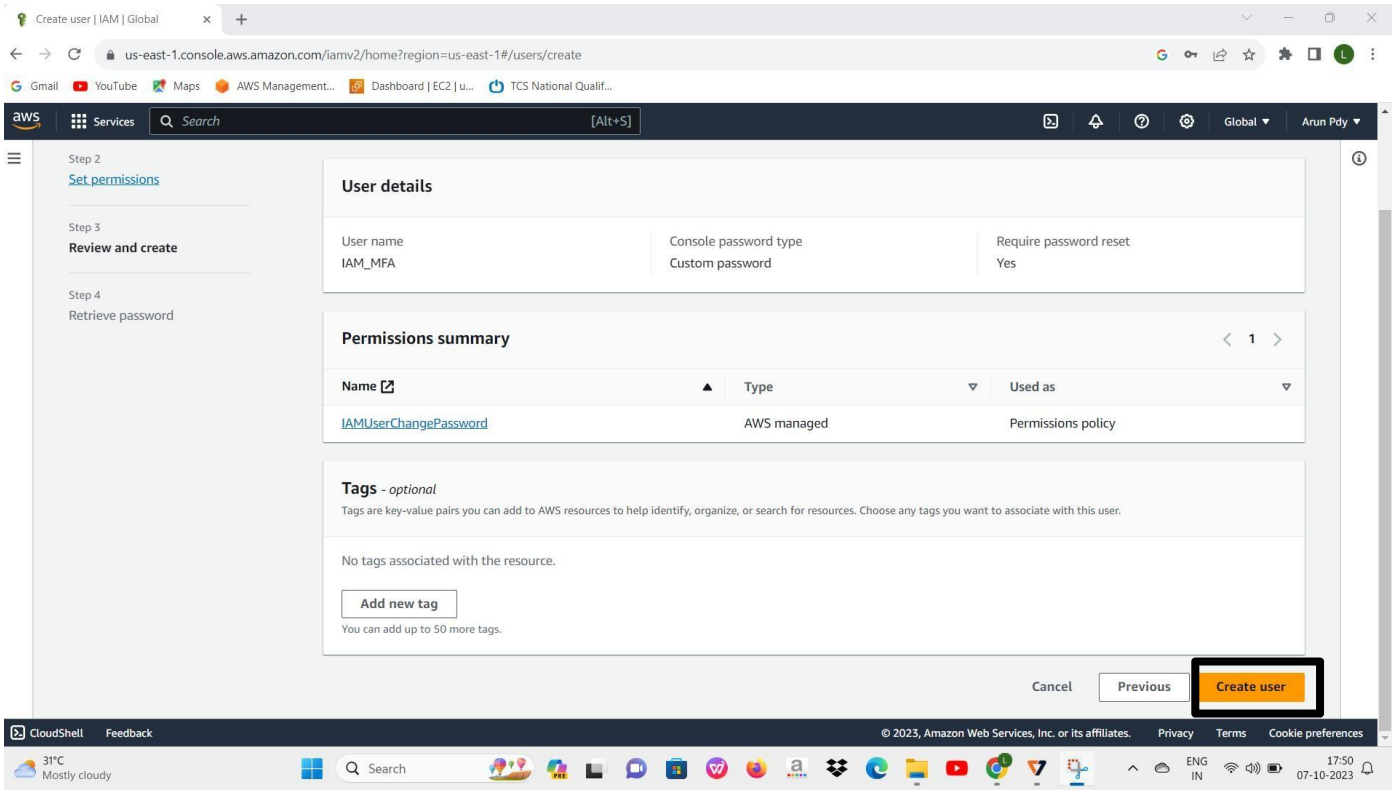
- select custom password



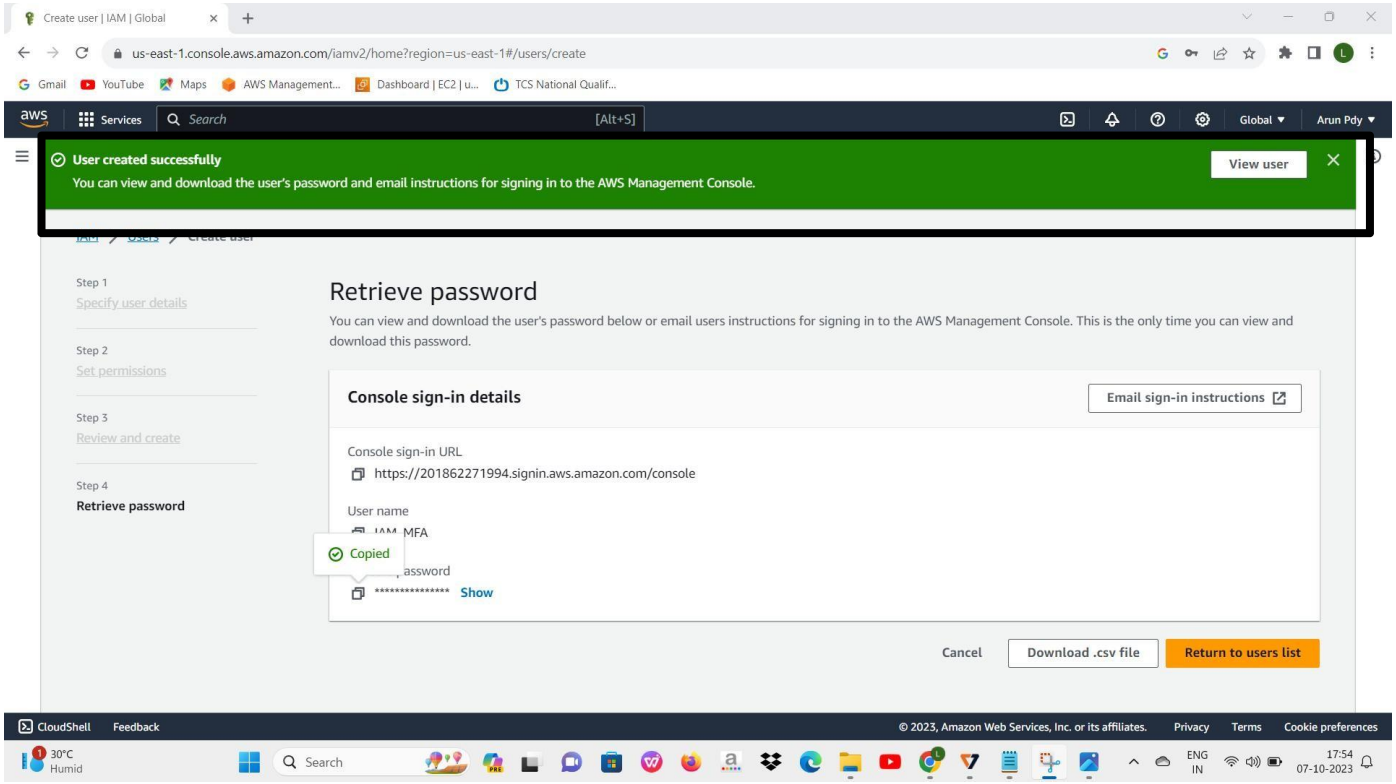
- Give your own password in custom password→disable recommended Tag.
- click next.



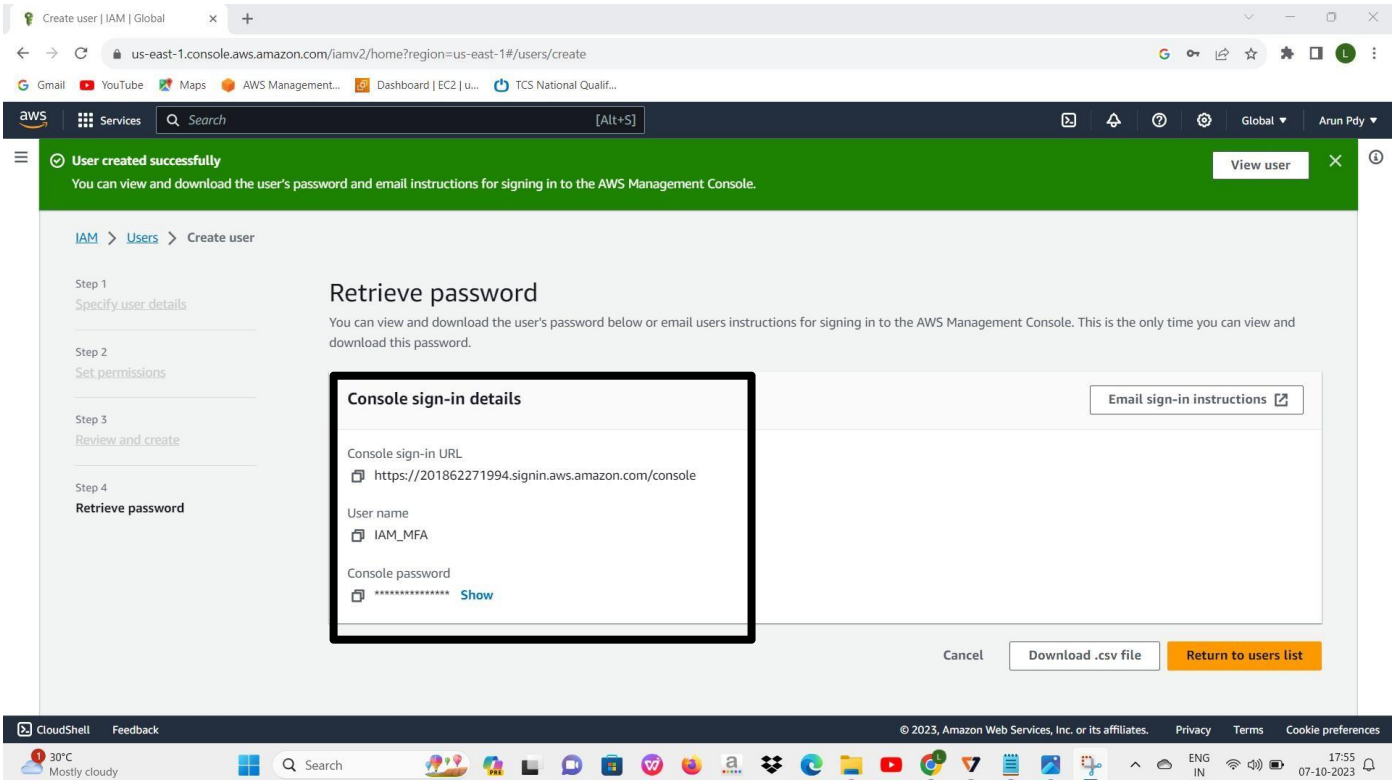
- Click add user to group
- click next



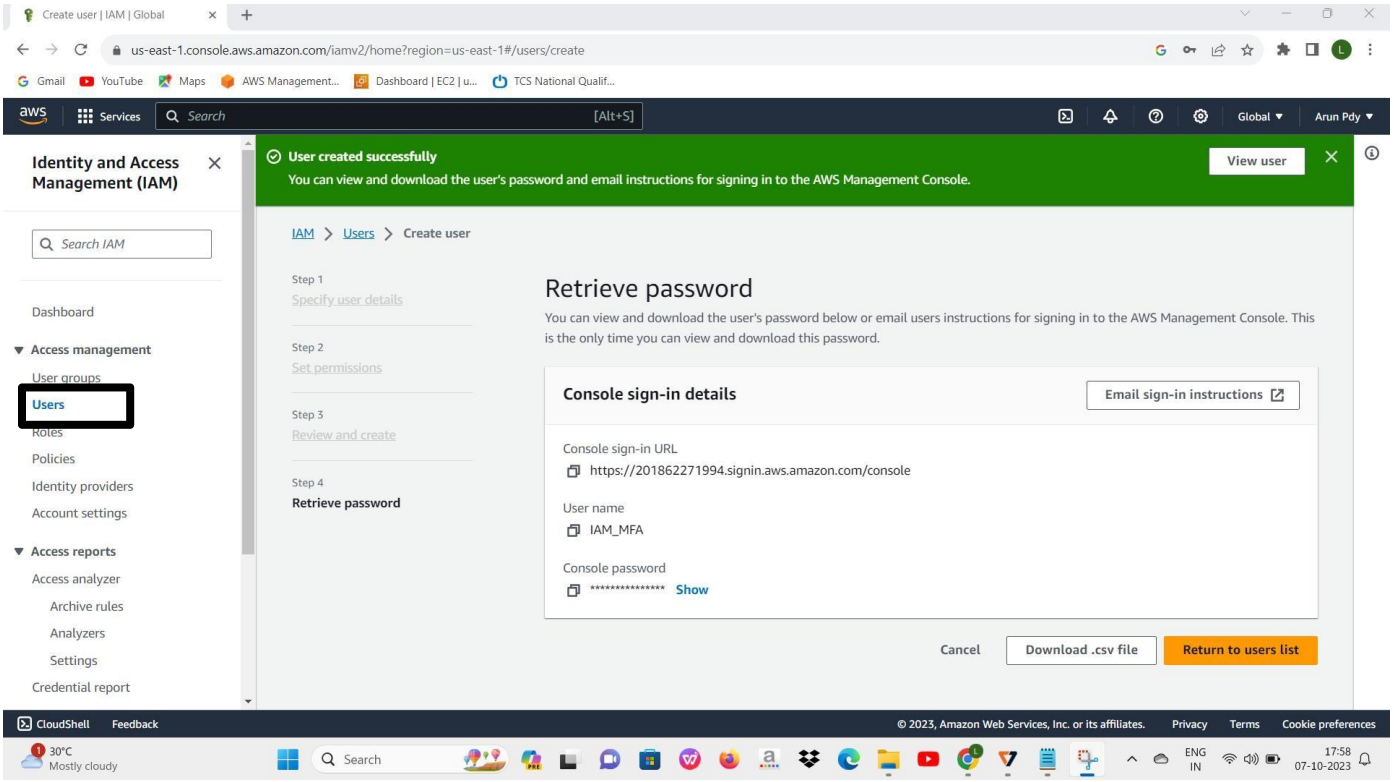
- Click create user.



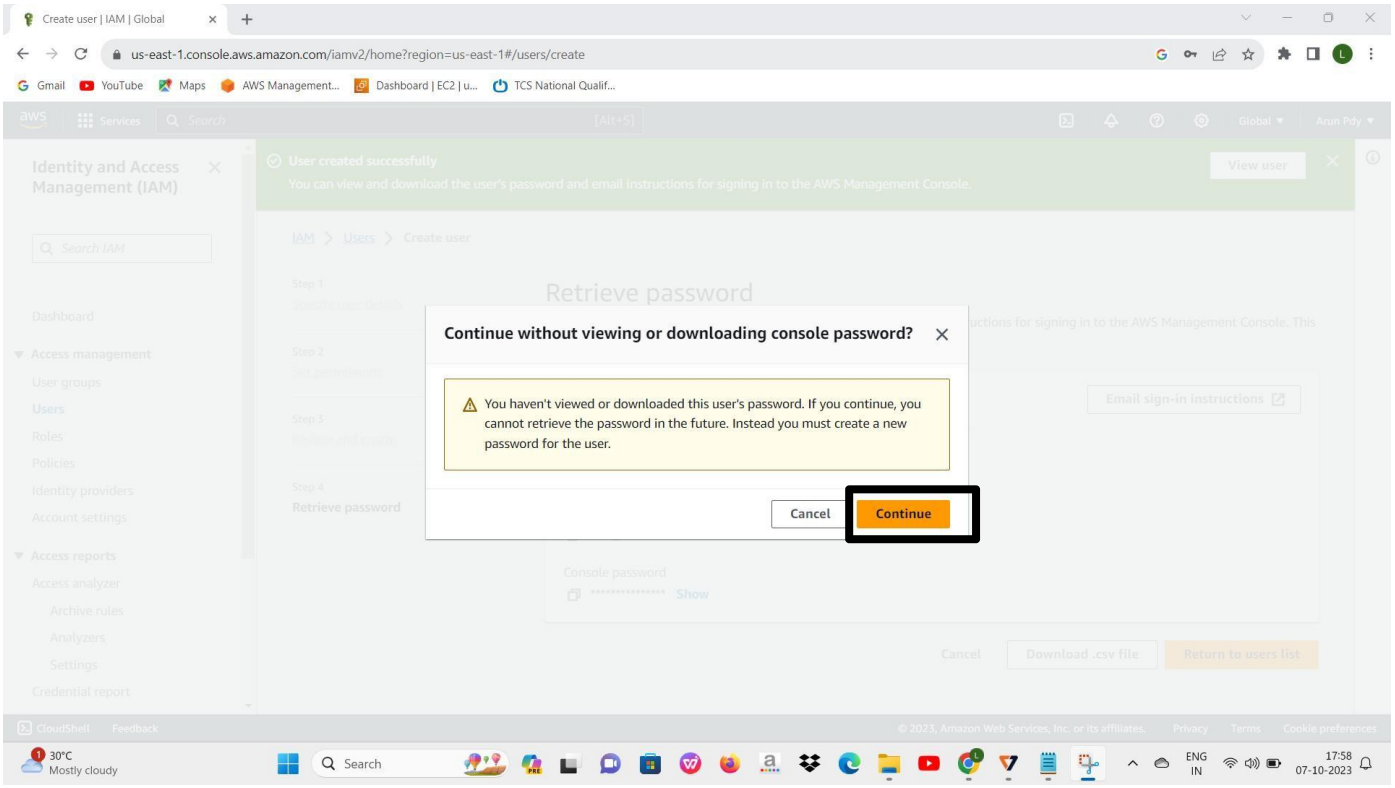
- The user has been created successfully.



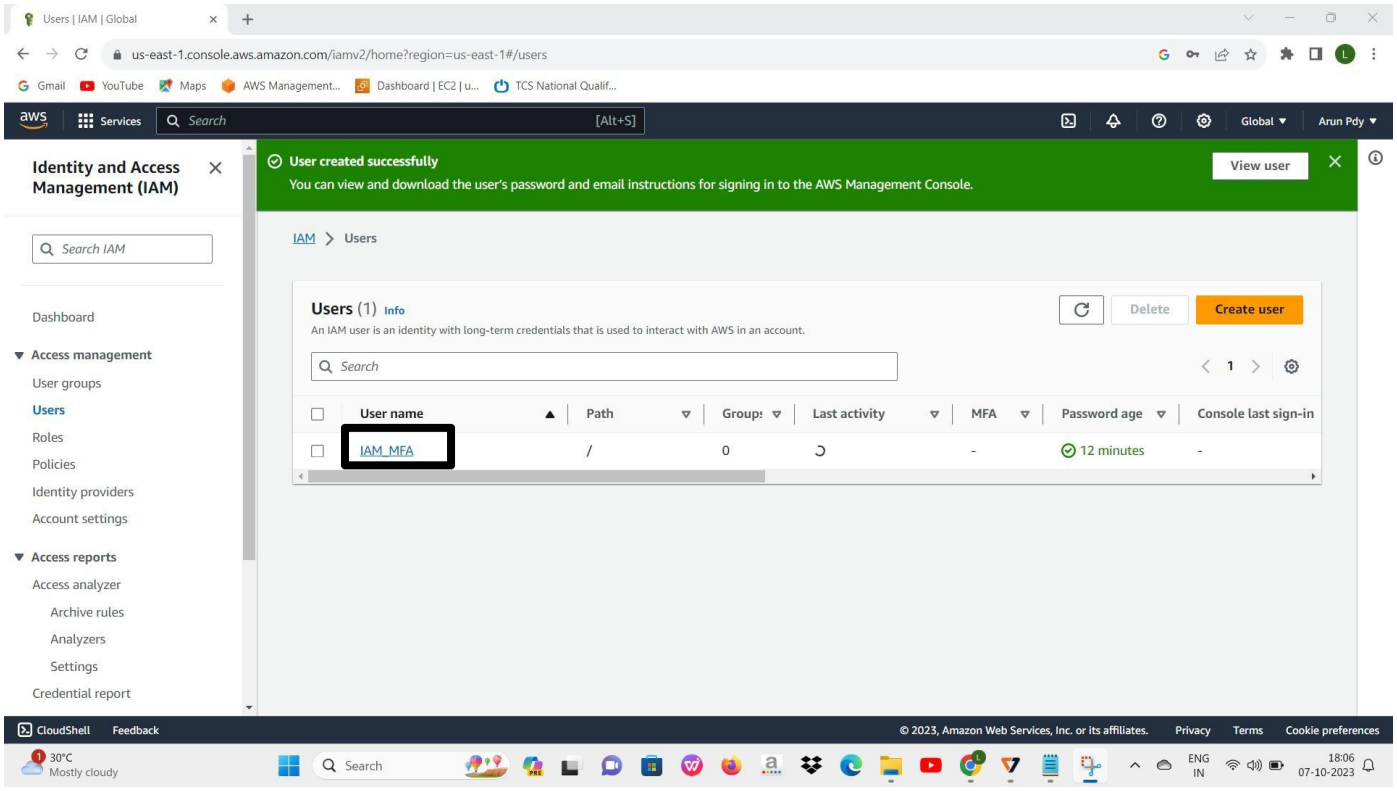
- copy the url, username, password to notepad.


Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Gmail
YouTube
Maps
AWS Management...
Dashboard | EC2 | u...
TCS National Qualif...
aws
Services
Search
[Alt+S]
Global
Arun Pdy
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Retrieve password
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://201862271994.signin.aws.amazon.com/console
User name
IAM_MFA
Console password
********** Show
Cancel
Download .csv file
Return to users list
CloudShell
Feedback
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
30°C
Mostly cloudy
Search
ENG
IN
17:58
07-10-2023

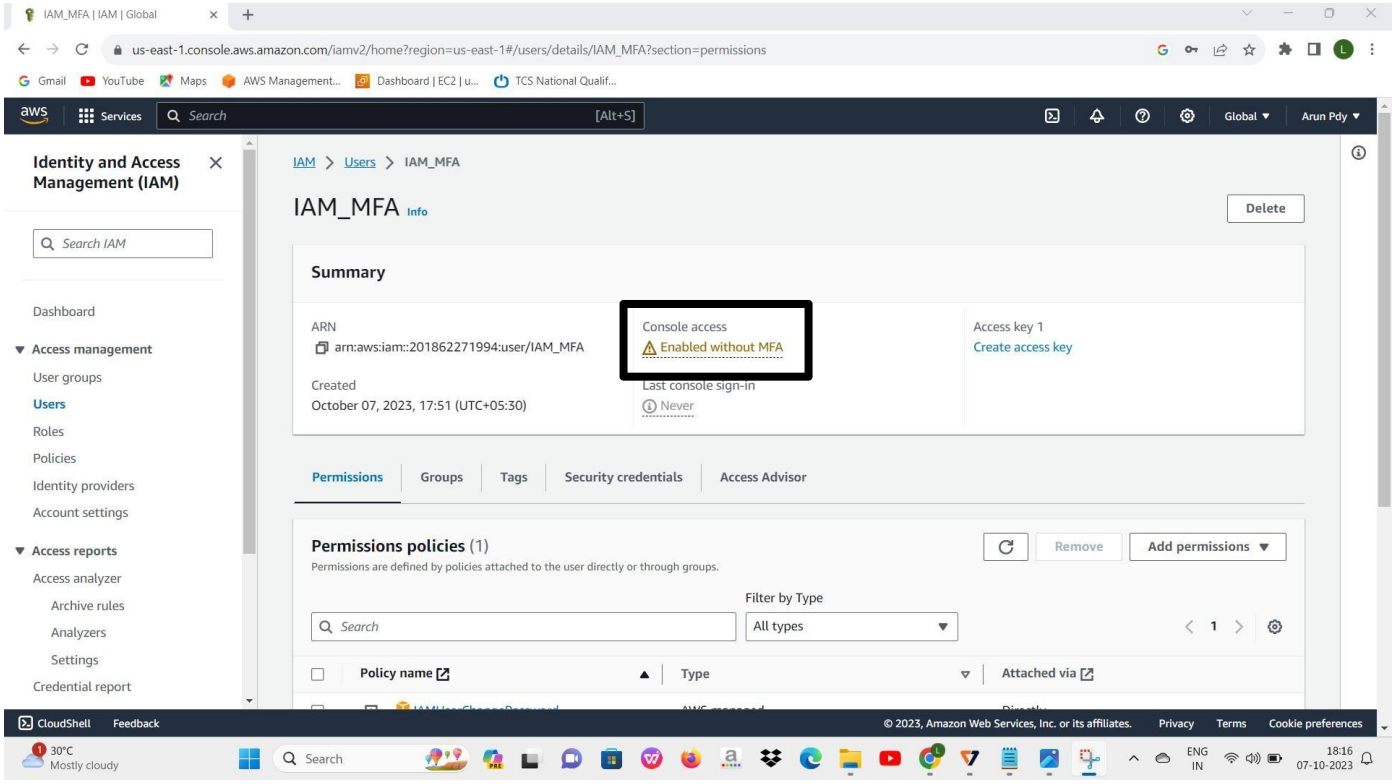
- tap the user


Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Identity and Access Management (IAM)
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users > Create user
Retrieve password
Continue without viewing or downloading console password?
You haven't viewed or downloaded this user's password. If you continue, you cannot retrieve the password in the future. Instead you must create a new password for the user.
Cancel
Continue
Email sign-in instructions
Console password
Show
Cancel
Download .csv file
Return to users list

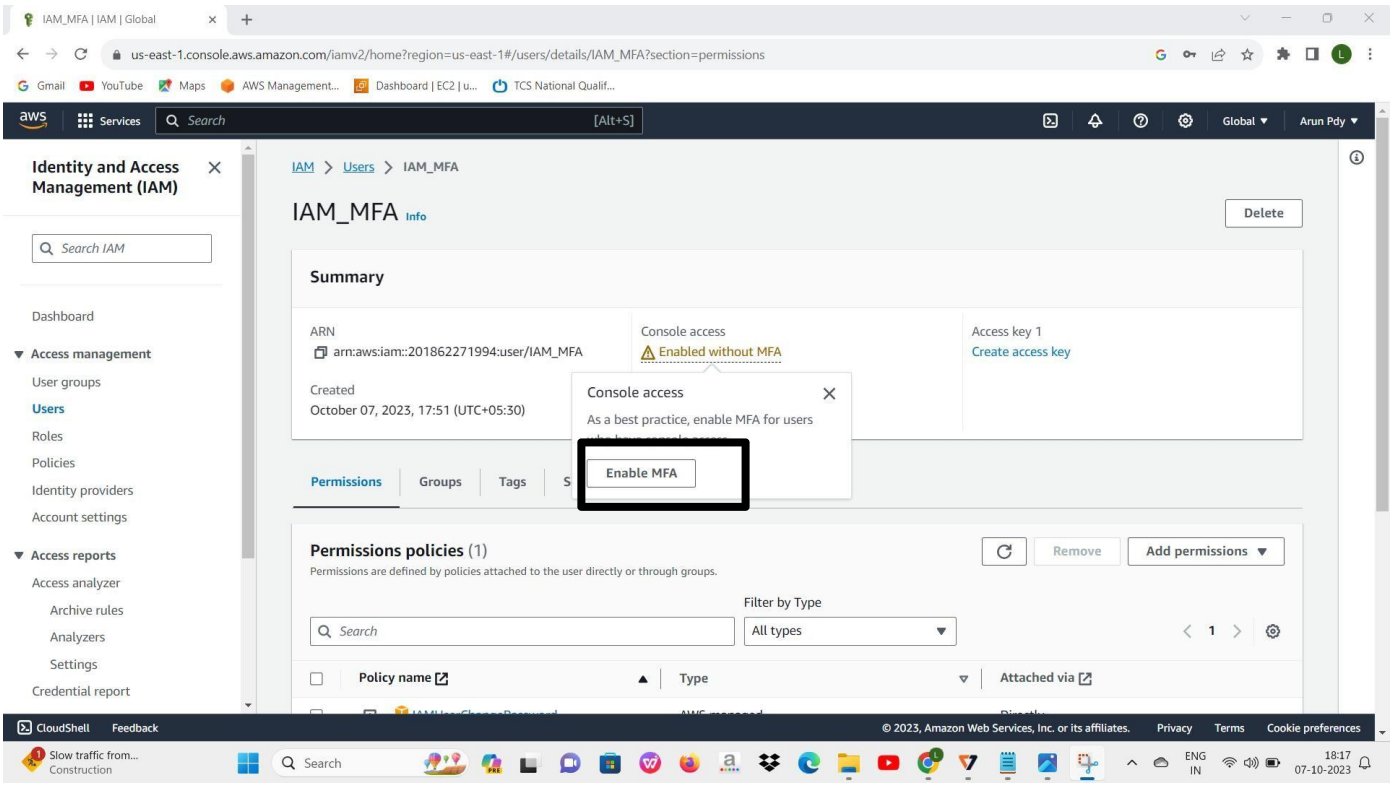
- tap the user.



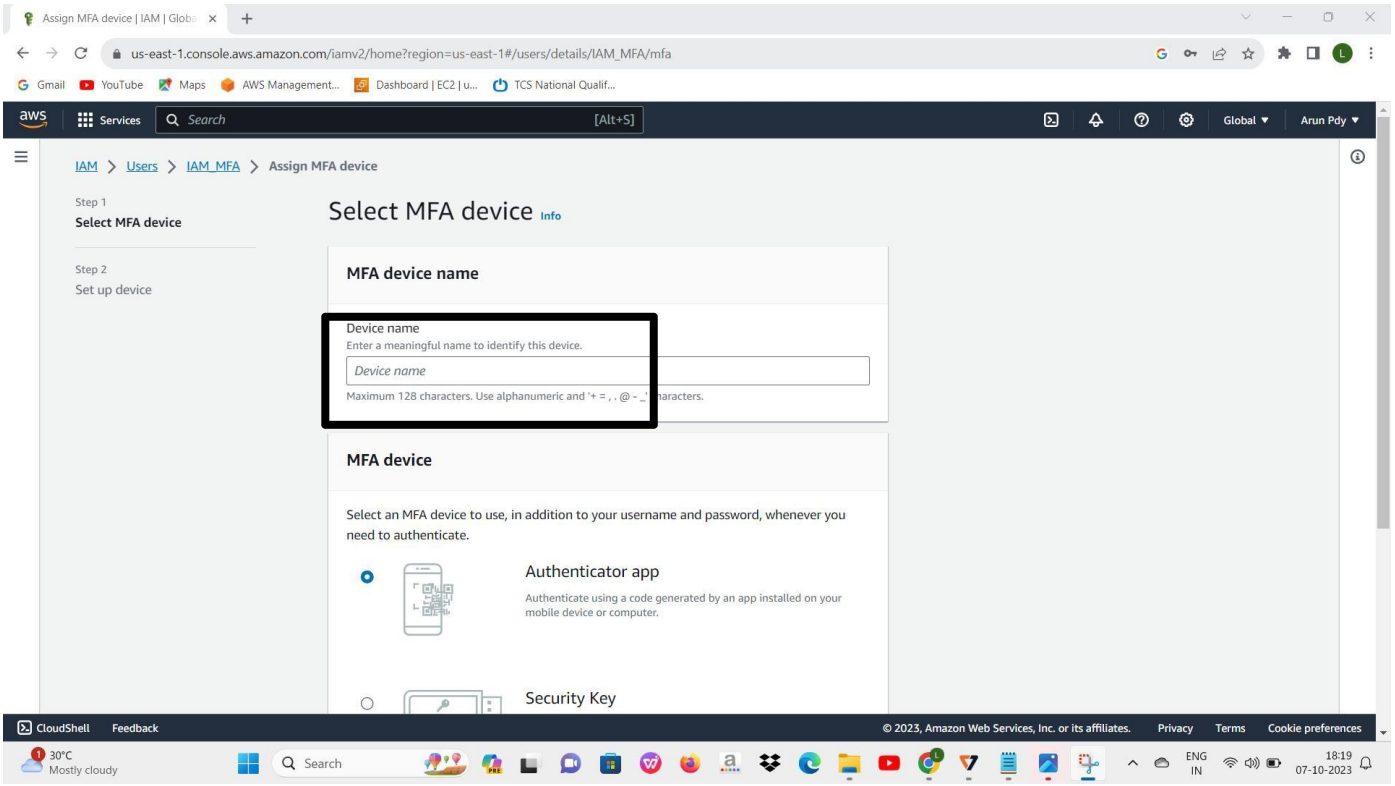
- click the user id.



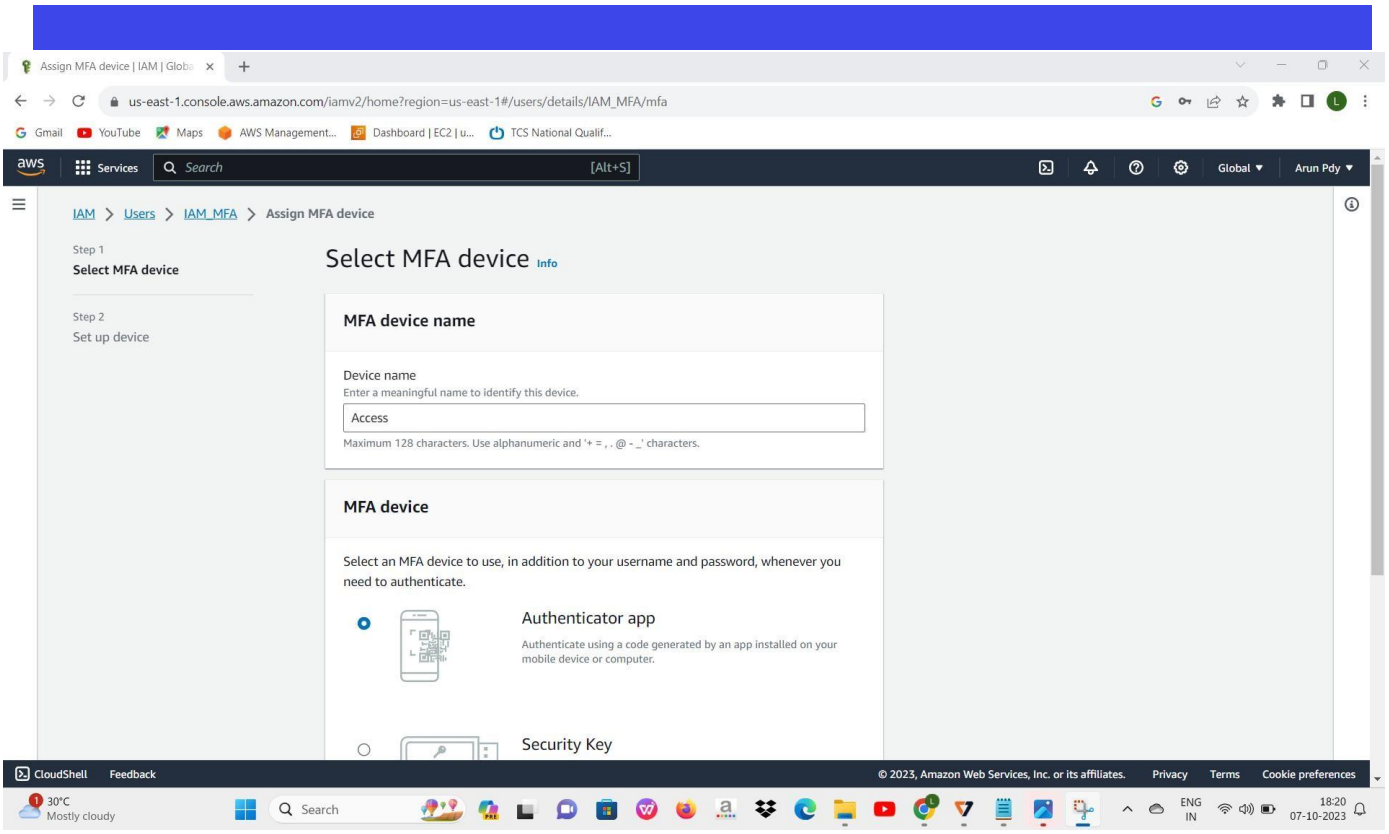
- here you can see enable MFA .



- click enable MFA.

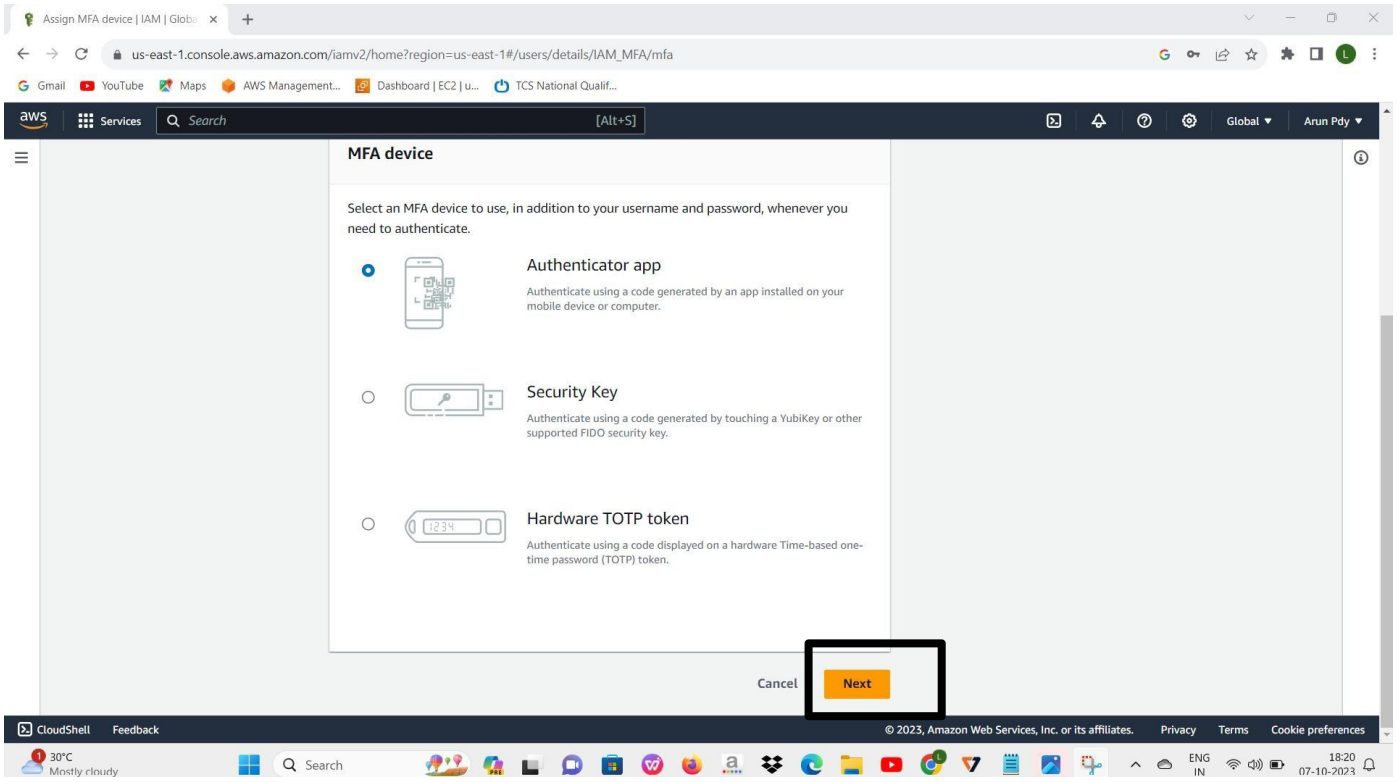


- Give name to the MFA.

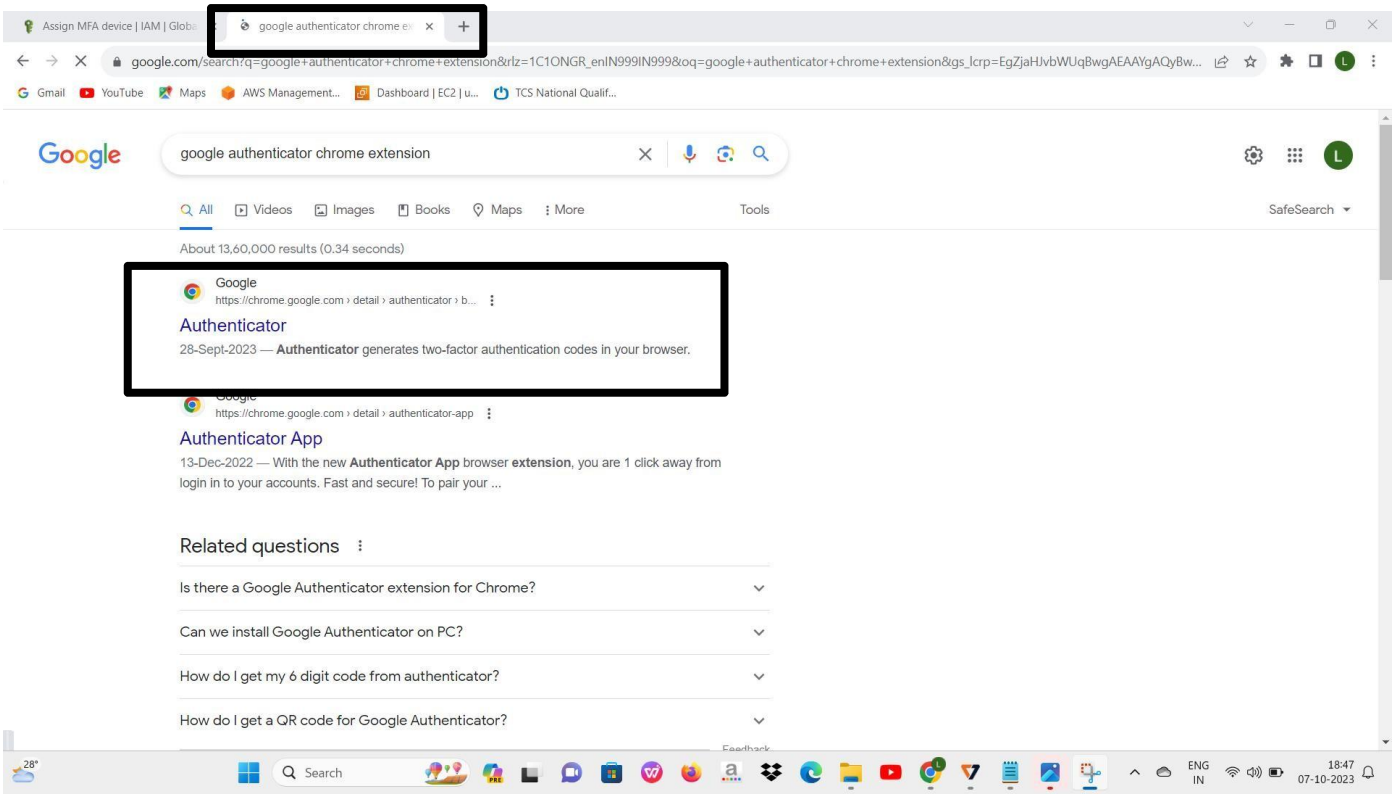


- Give name to MFA(eg.access).

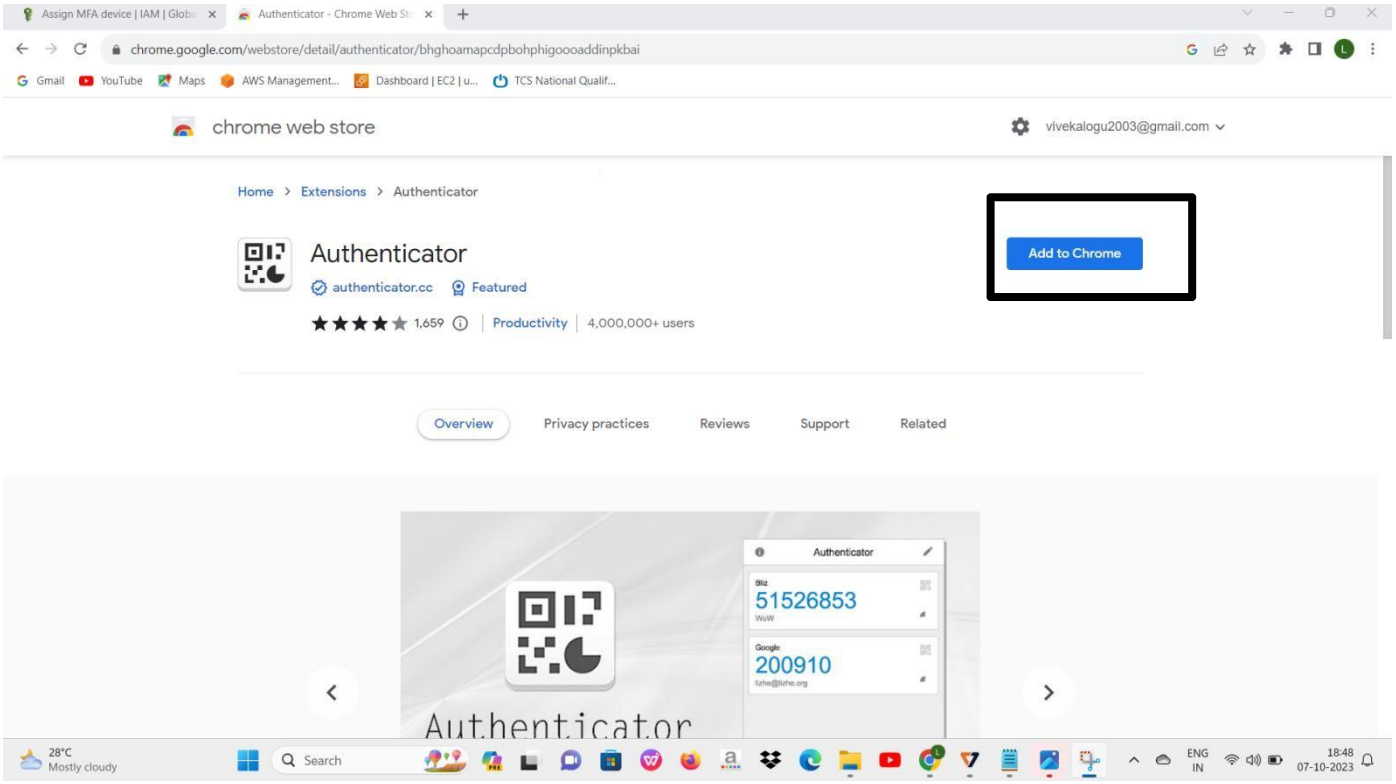
- Select the 1st option authenticator app,


Assign MFA device | IAM | Glob
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/IAM_MFA/mfa
Gmail
YouTube
Maps
AWS Management...
Dashboard | EC2 | u...
TCS National Qualif...
aws
Services
Search
[Alt+S]
Global
Arun Pdy
MFA device
Select an MFA device to use, in addition to your username and password, whenever you need to authenticate.
Authenticator app
Authenticate using a code generated by an app installed on your mobile device or computer.
Security Key
Authenticate using a code generated by touching a YubiKey or other supported FIDO security key.
Hardware TOTP token
Authenticate using a code displayed on a hardware Time-based one-time password (TOTP) token.
Cancel
Next
CloudShell
Feedback
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
30°C
Mostly cloudy
Search
ENG
IN
18:20
07-10-2023

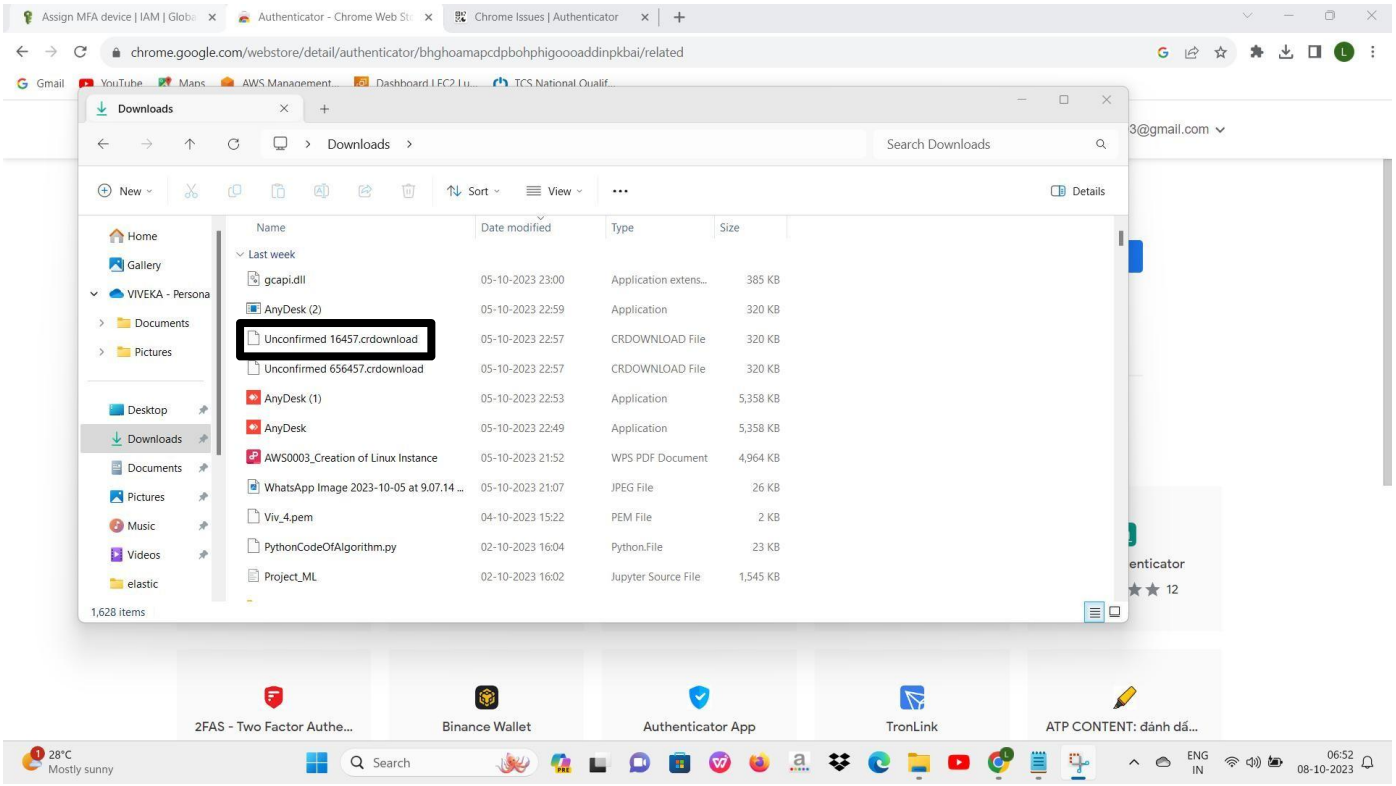
- click next.



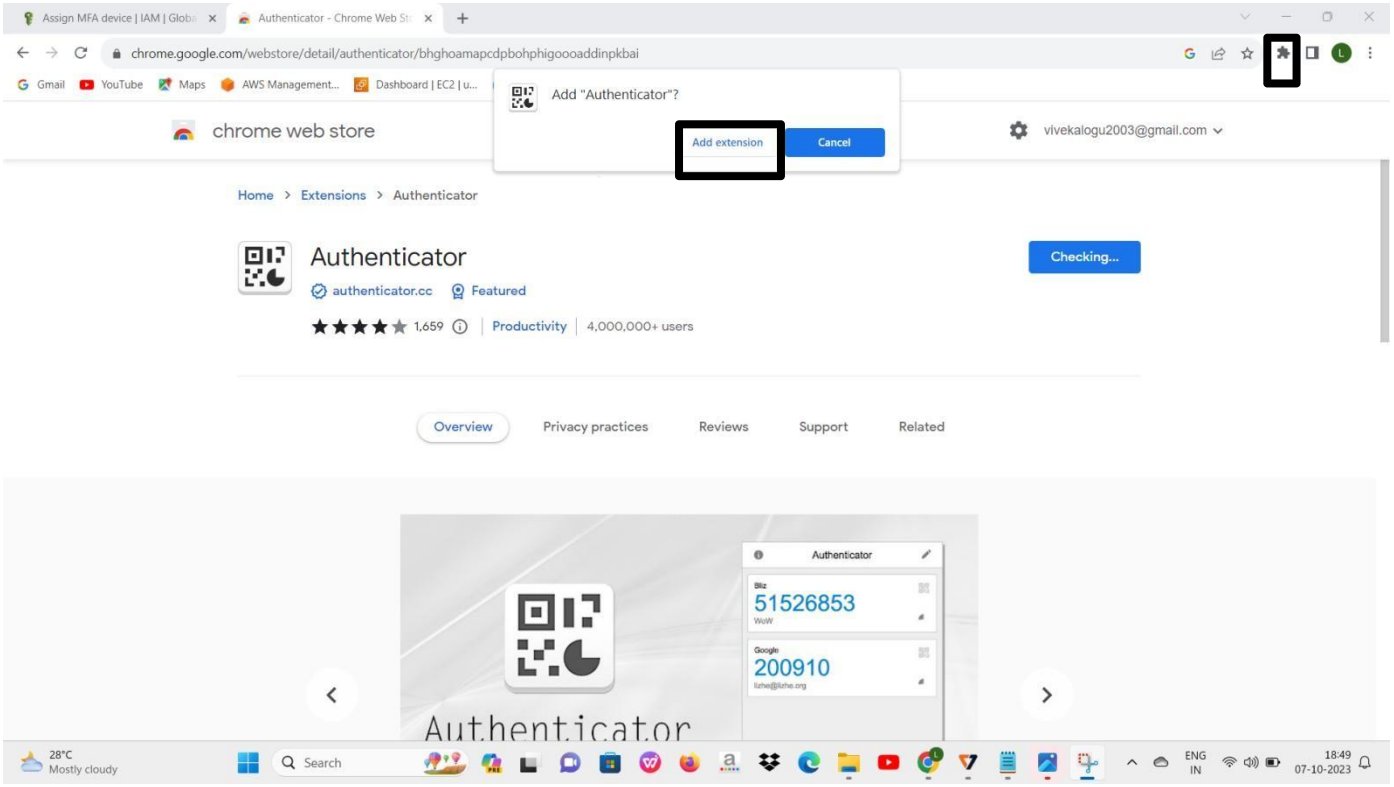
- Open a new tab search for google authenticator as an chrome extension.



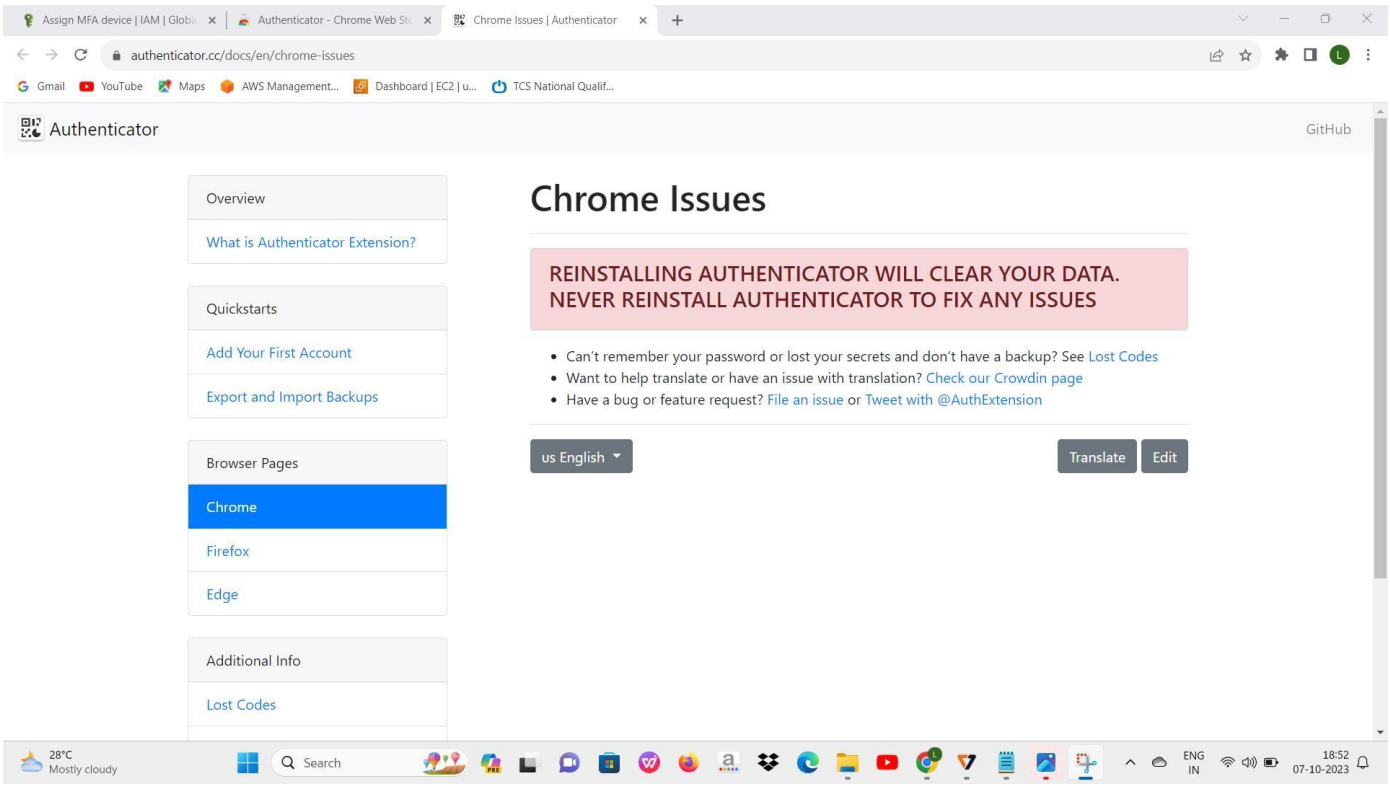
- Click add to chrome.



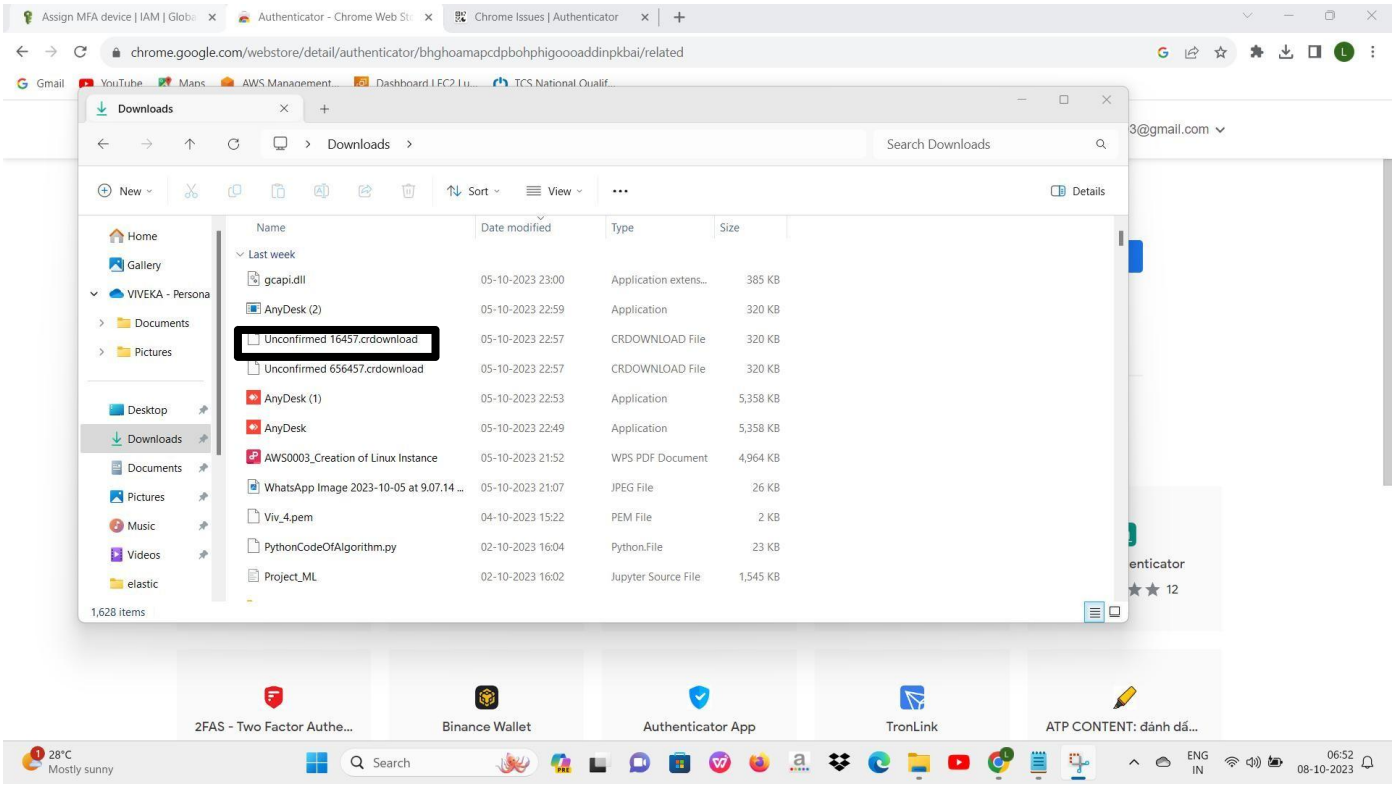
- Next the extension file is downloaded .we can see it on the downloads.



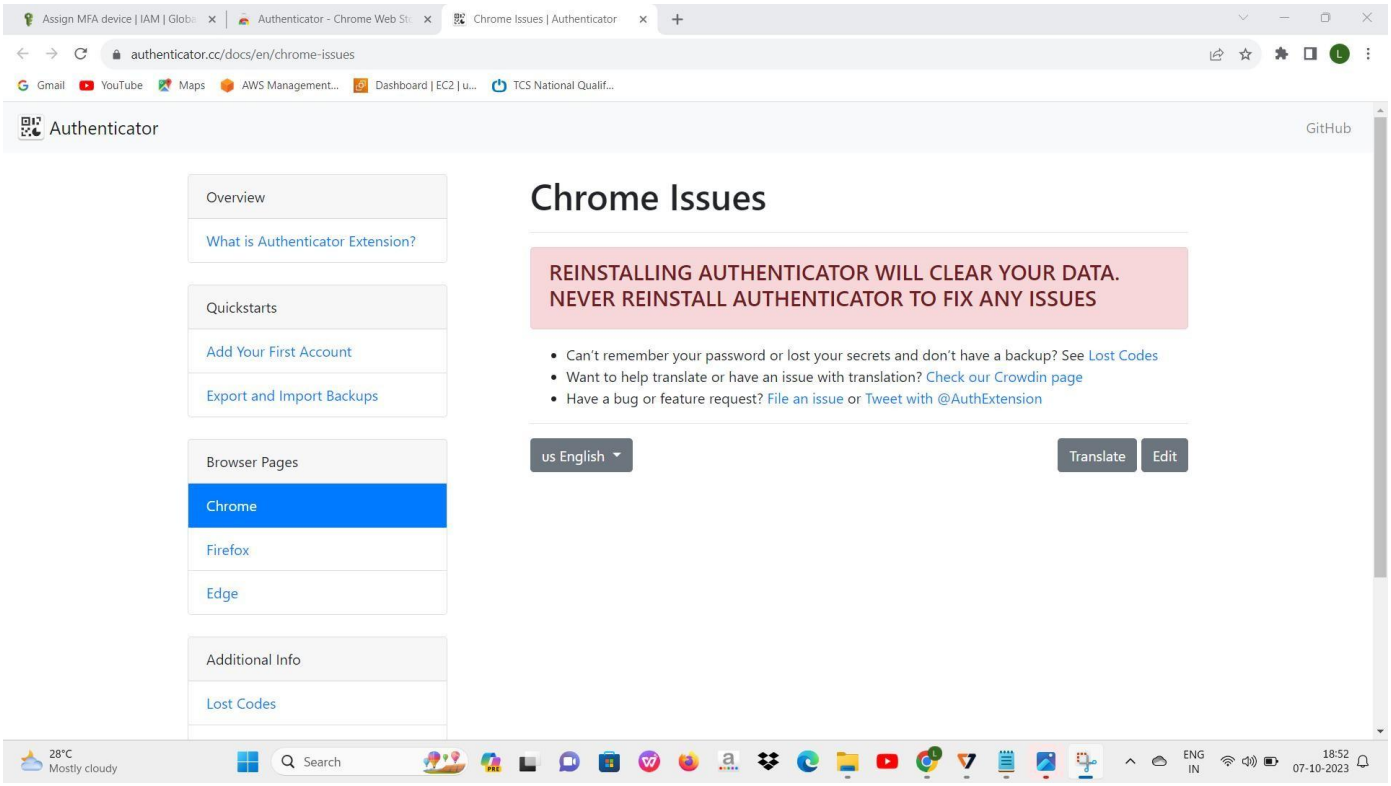
- In order to view the extension, click the menu icon.
- Click the extension.
- Then the pop message is show.
- Then click the Add extension.



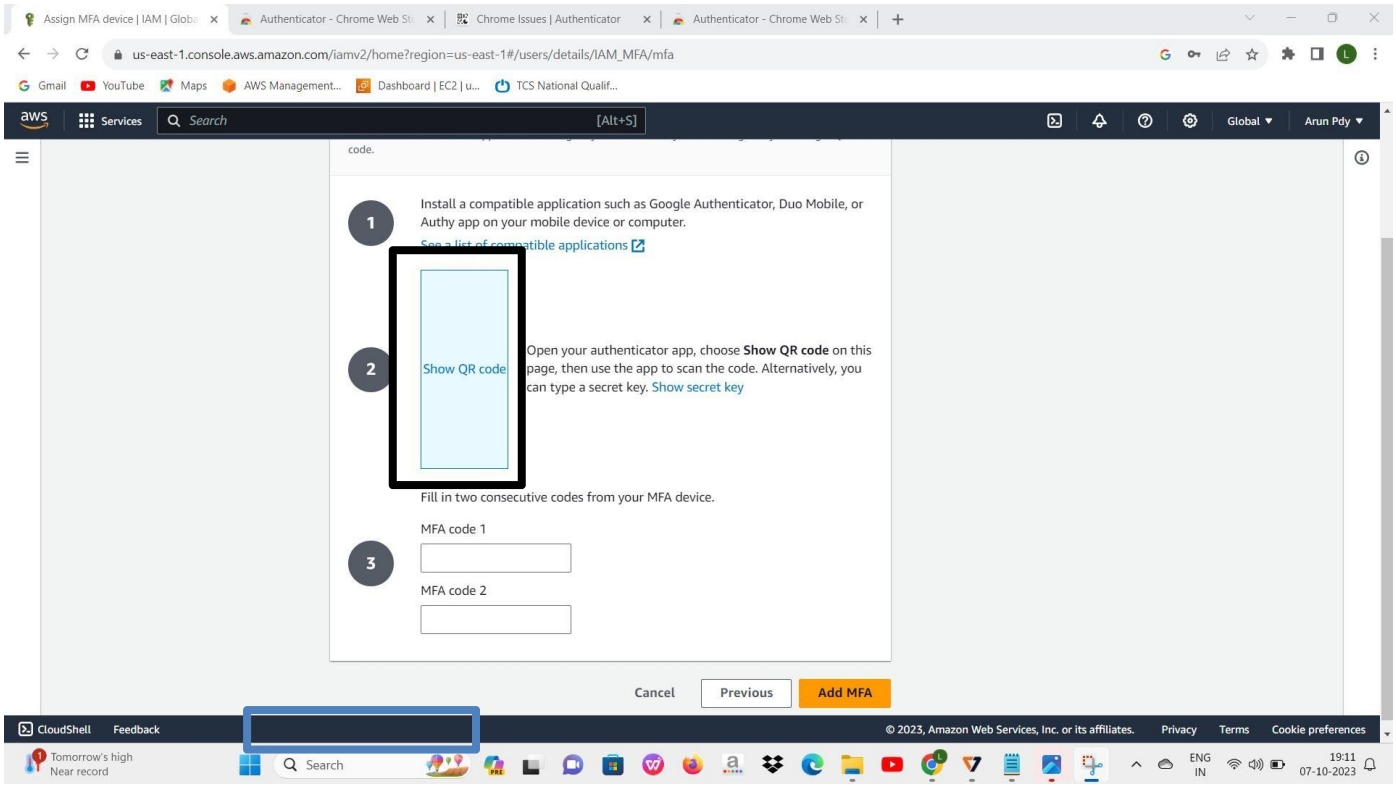
- Next you can automatically direct to the new tab.



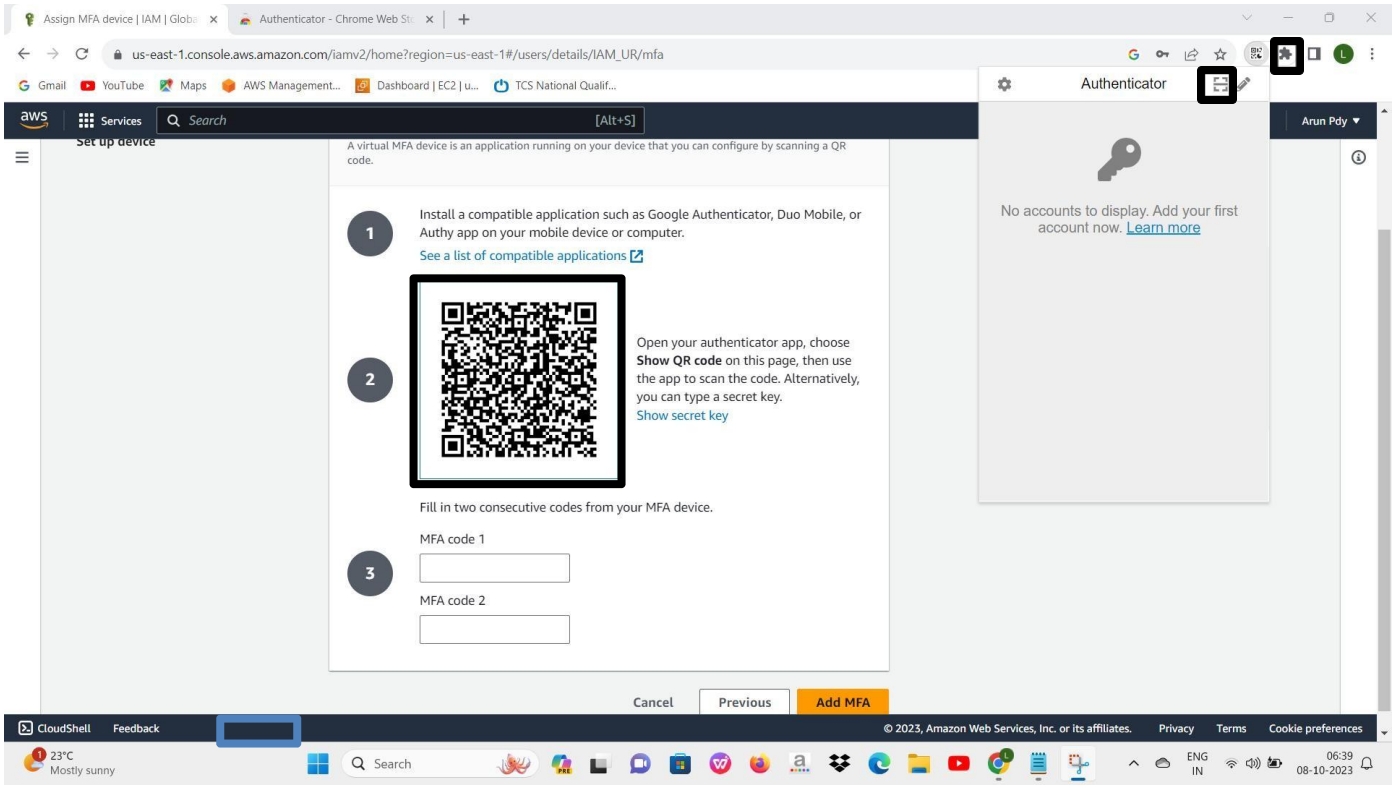
- Next the extension file is downloaded .we can see it on the downloads.



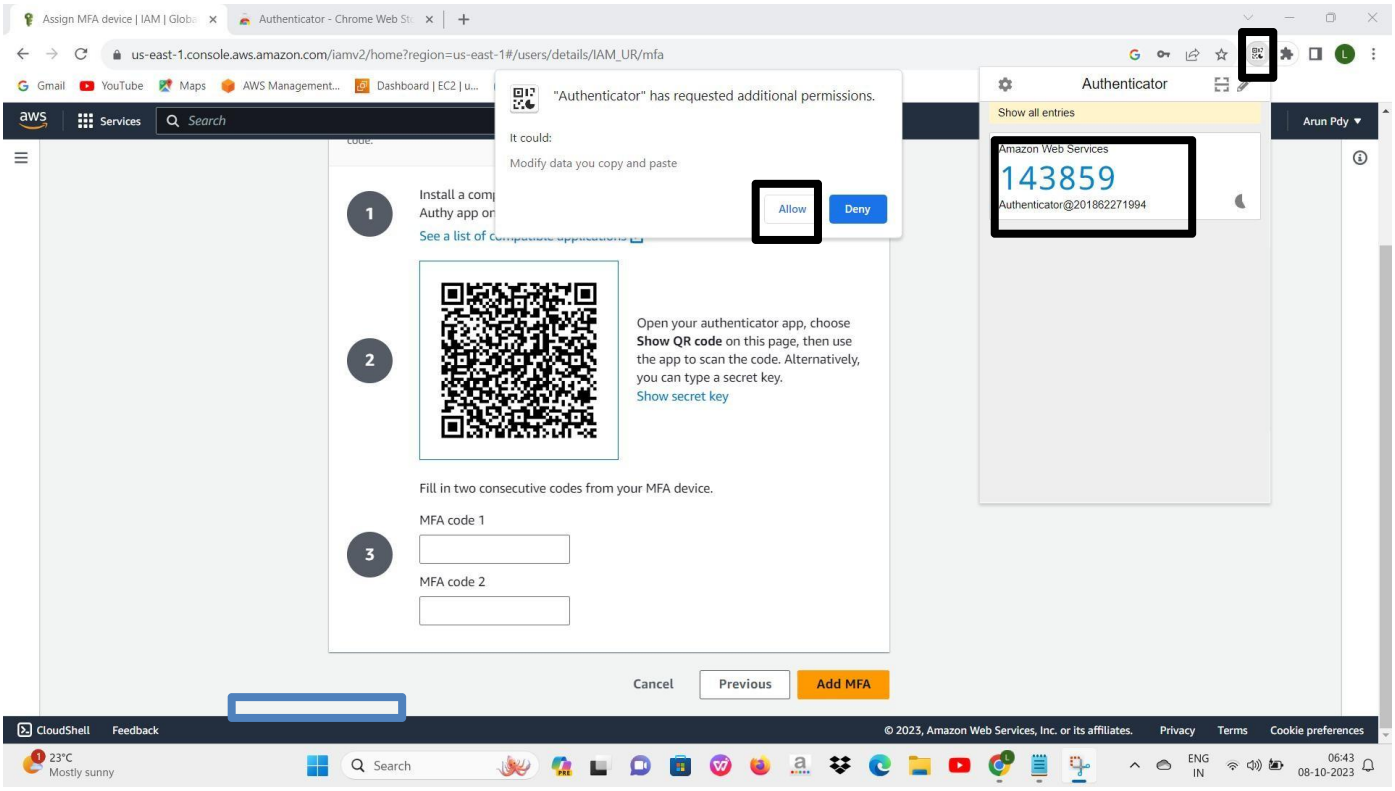
- Next it automatically direct to the new tab.



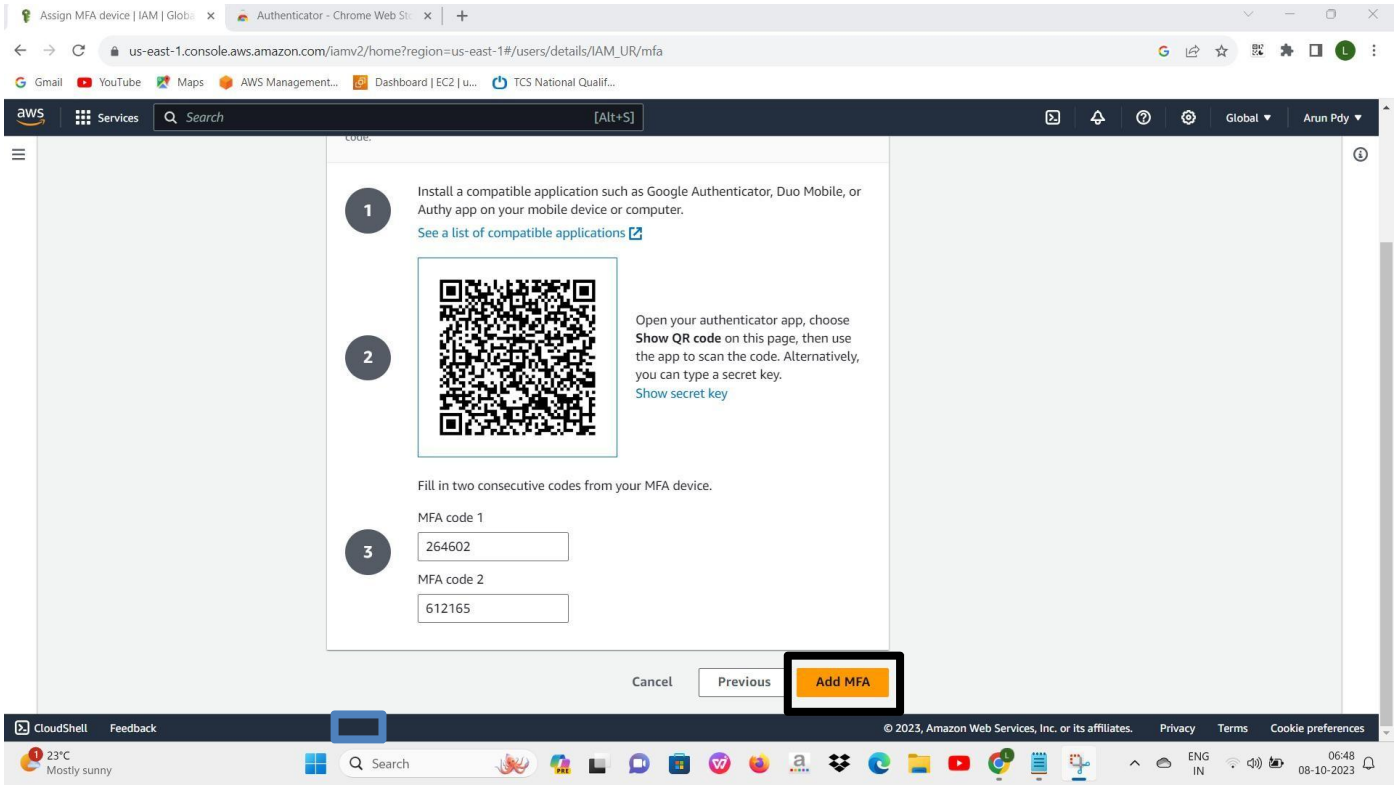
- Get back to aws iam.
- click show OR code.



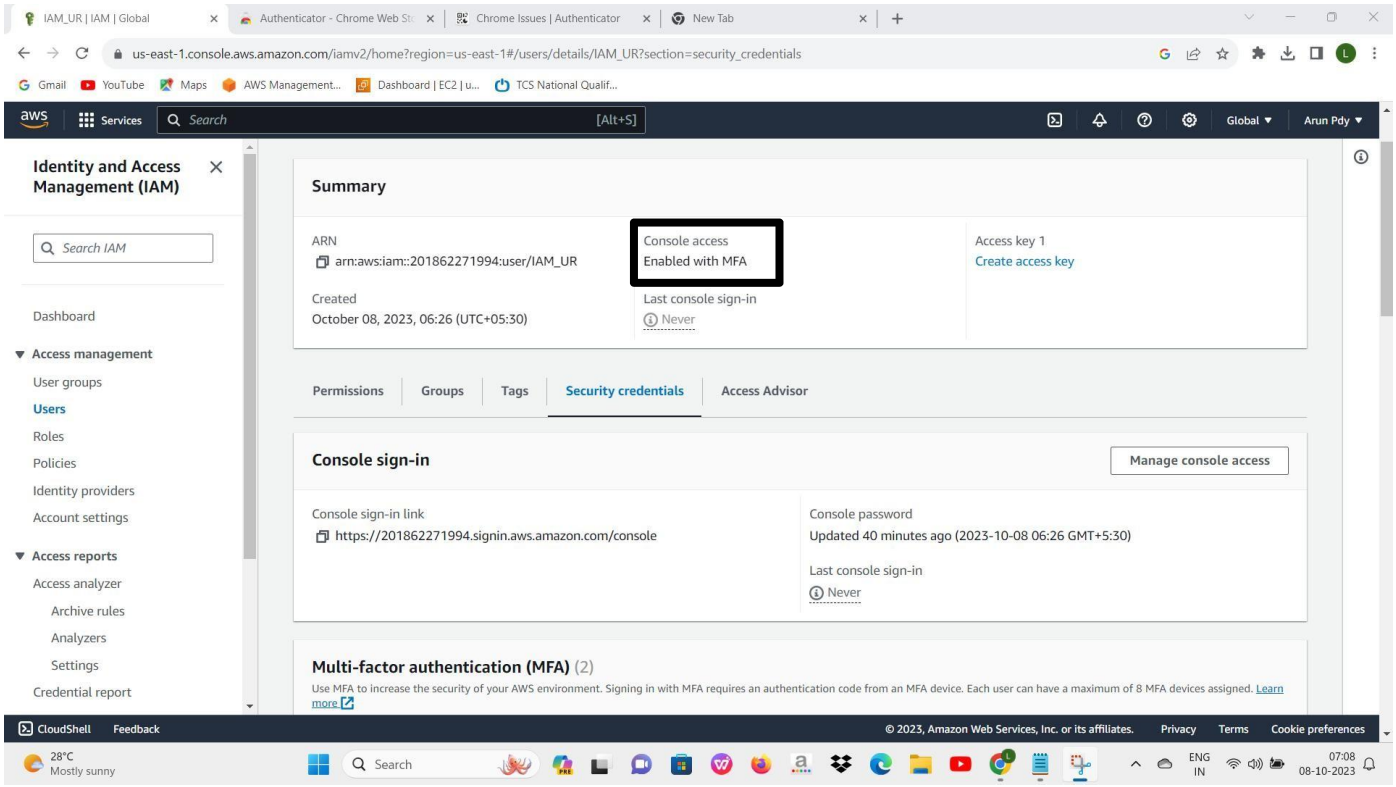
- You can view the QR code we gona to scan the code using authenticator extension.



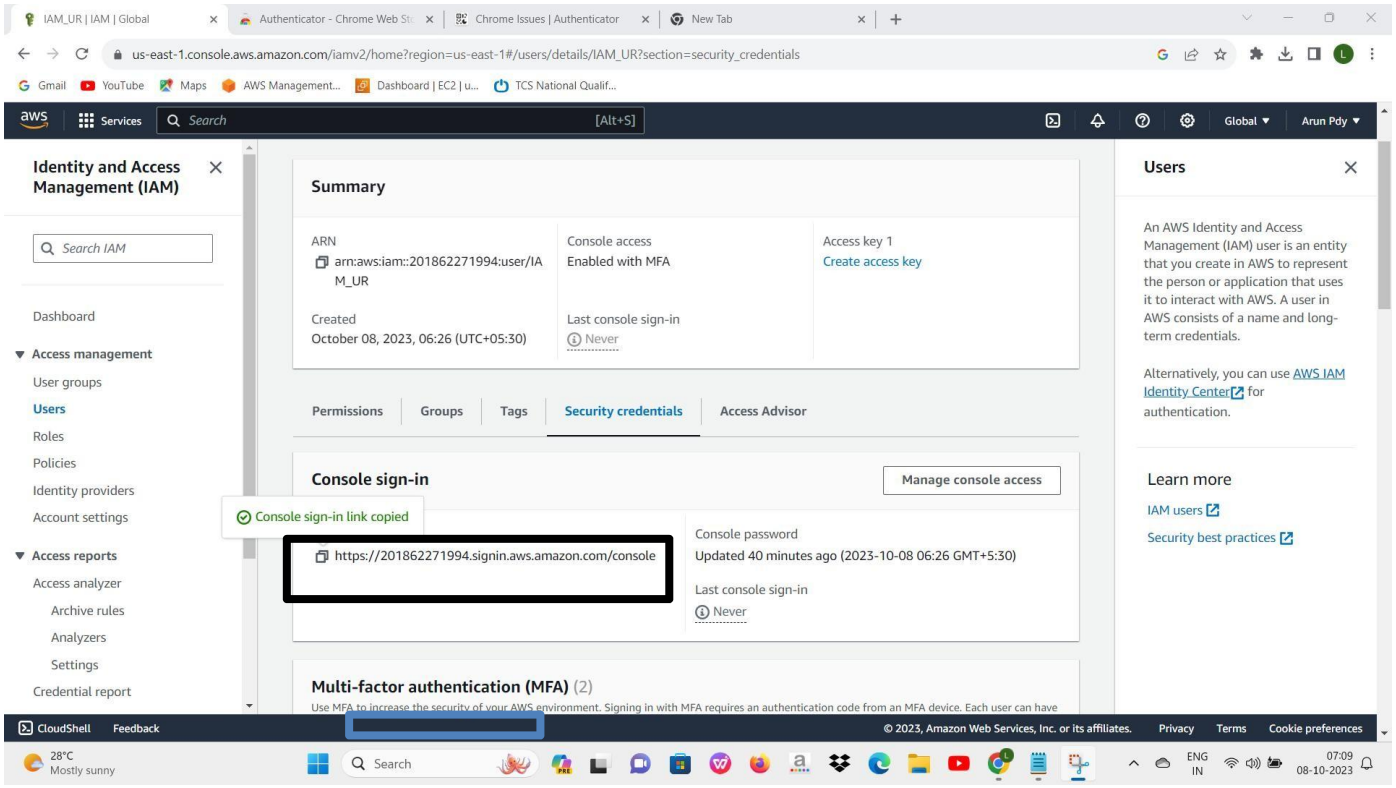
- Click on the extension.
- You can see the pop message.
- Click Allow.
- you can see the authenticator icon
- click on it.
- copy the code and paste it in MFA code 1 and refresh it then paste the
- second code in MFA code 2.



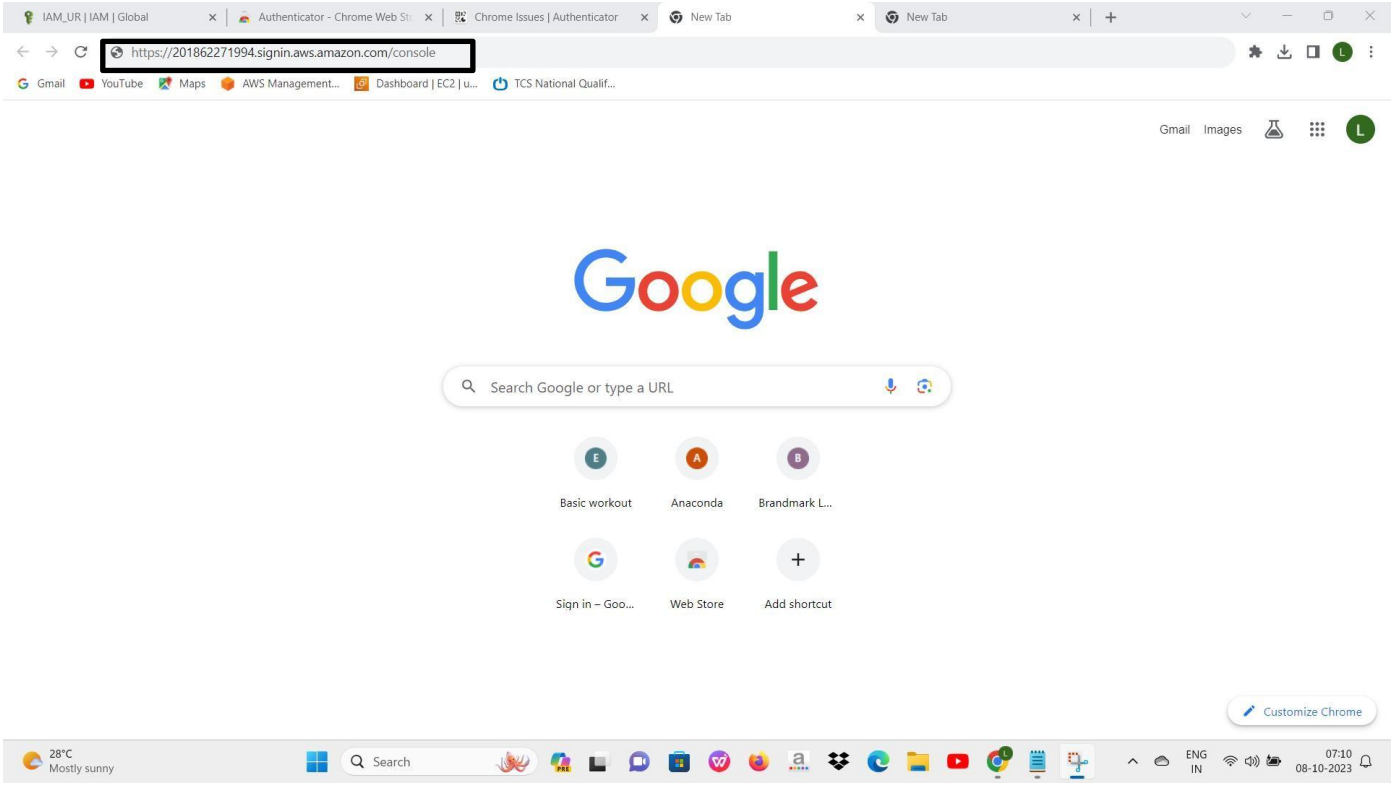
- Once you pasted the code click add MFA.



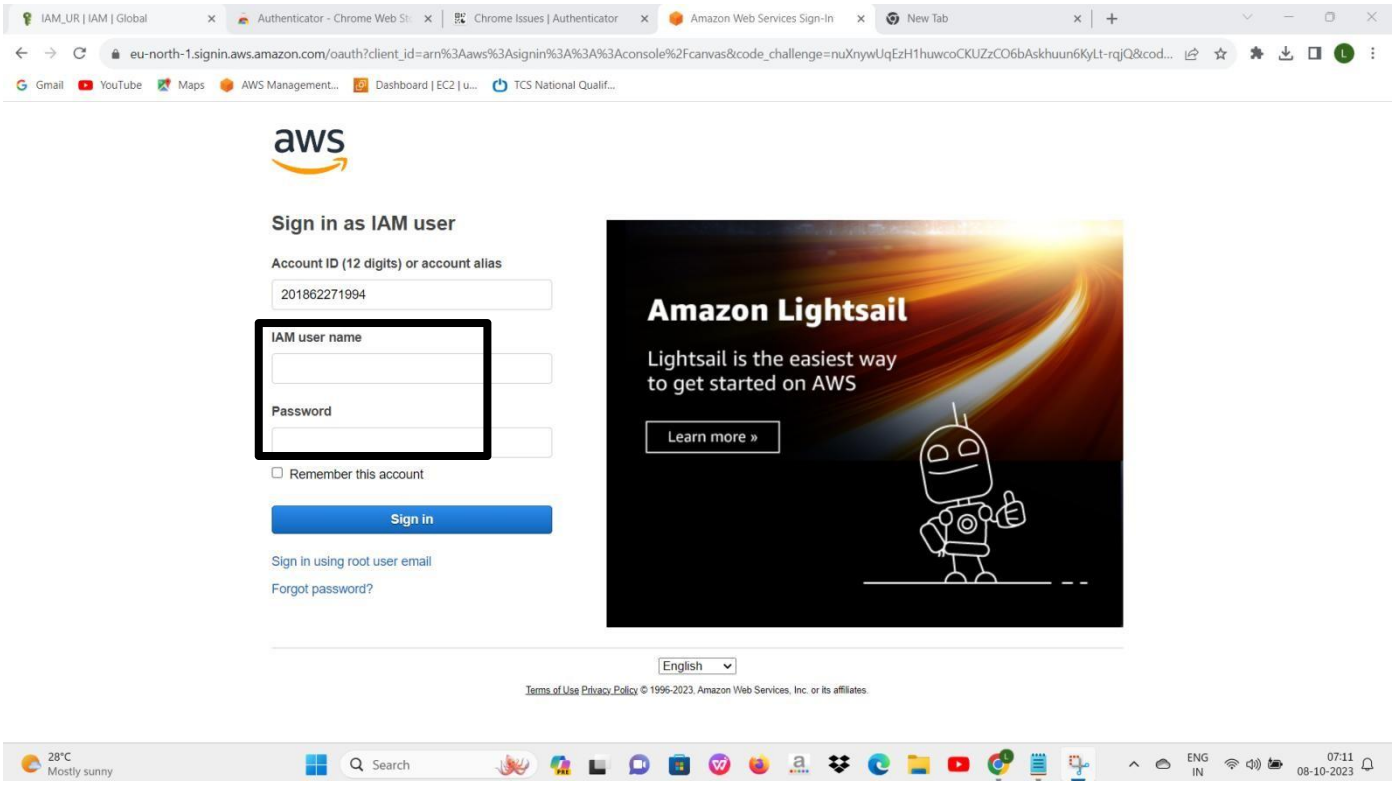
- MFA has been added successfully.



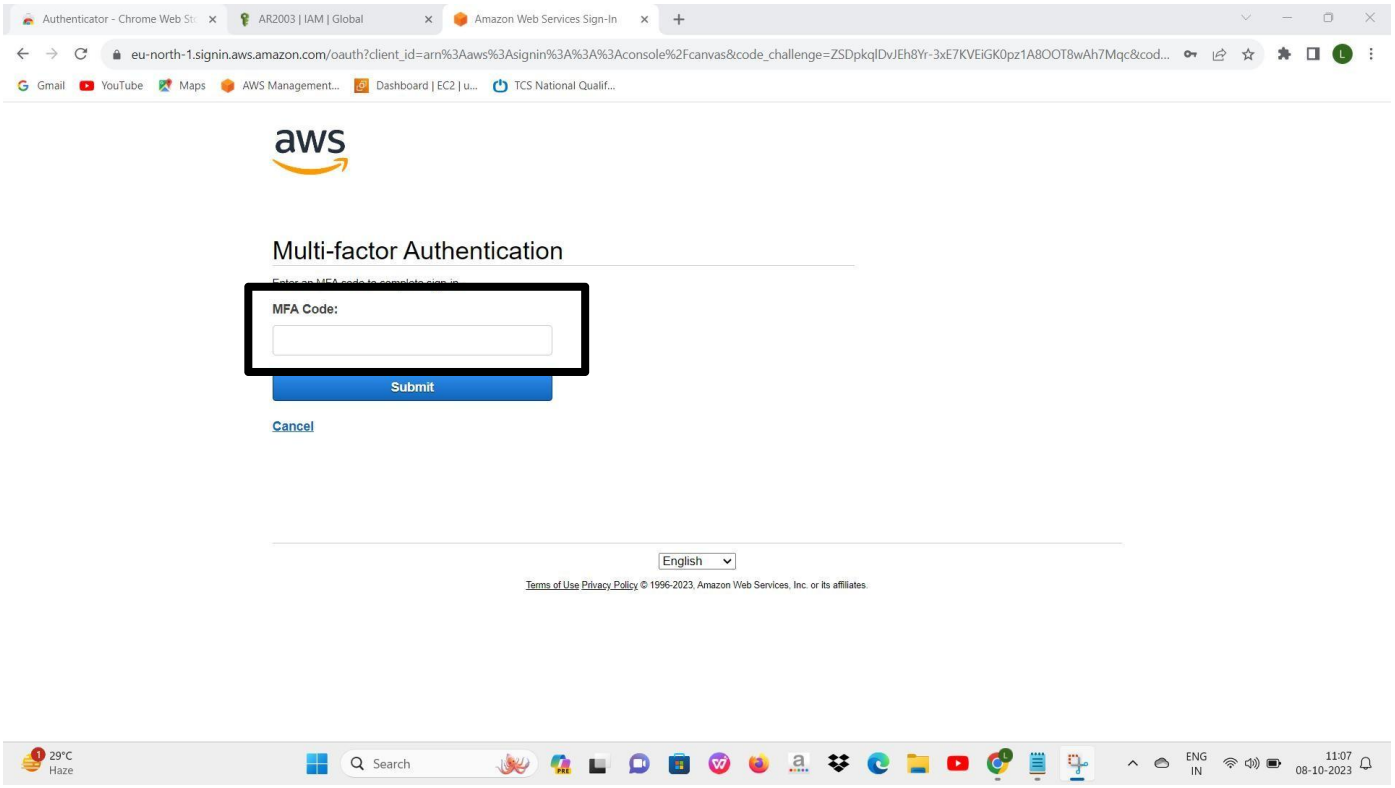
- Now copy the console sign-in-link.



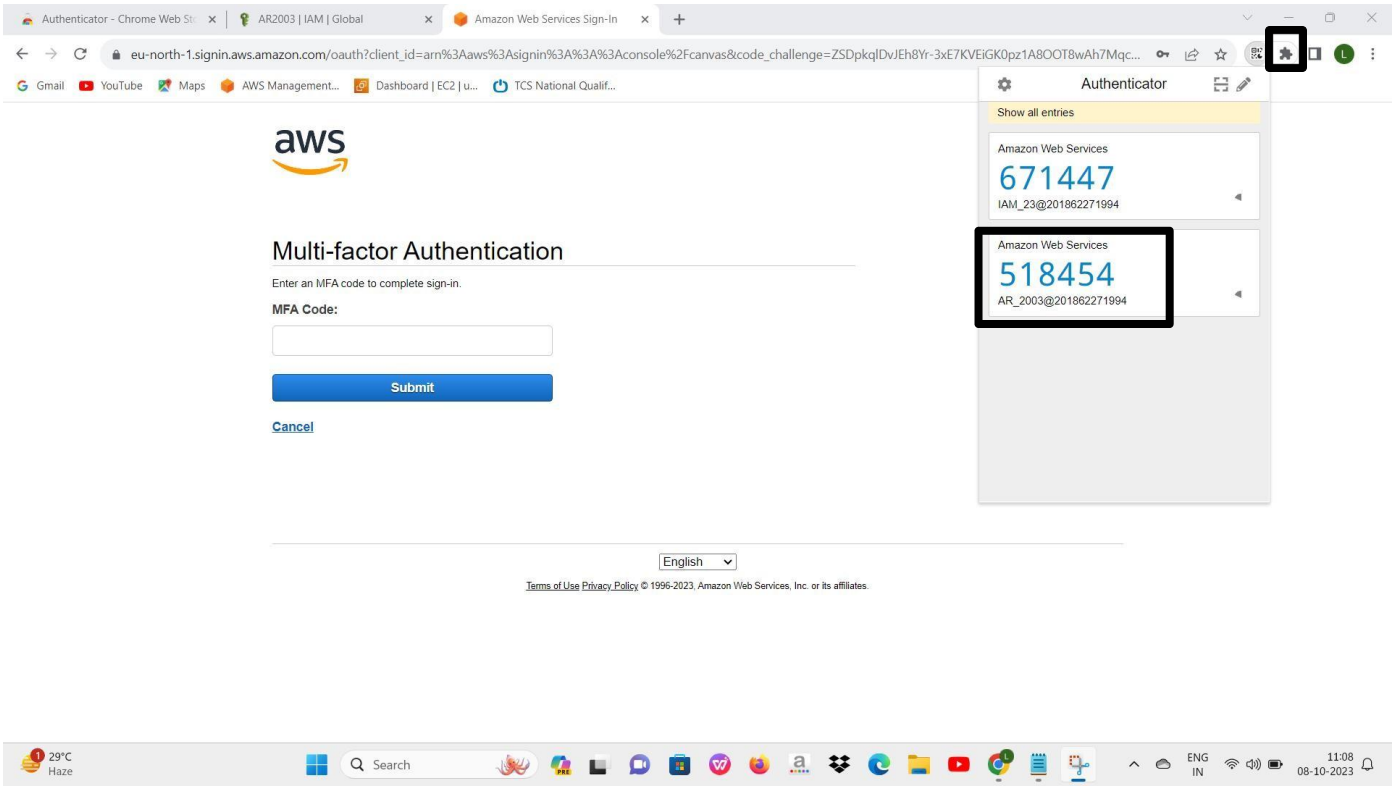
- Now paste the copied url in new tab chrome.



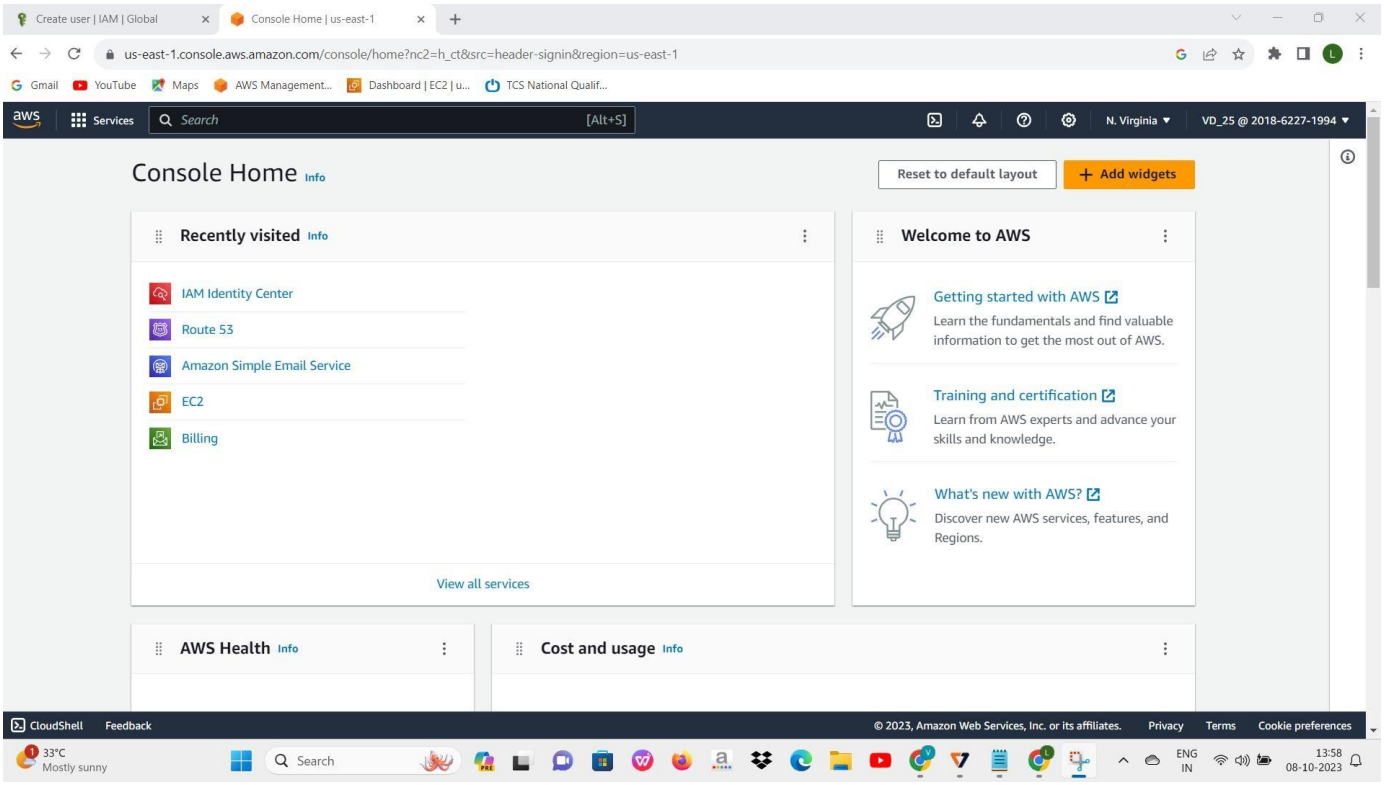
- Sign in with your user name and password.



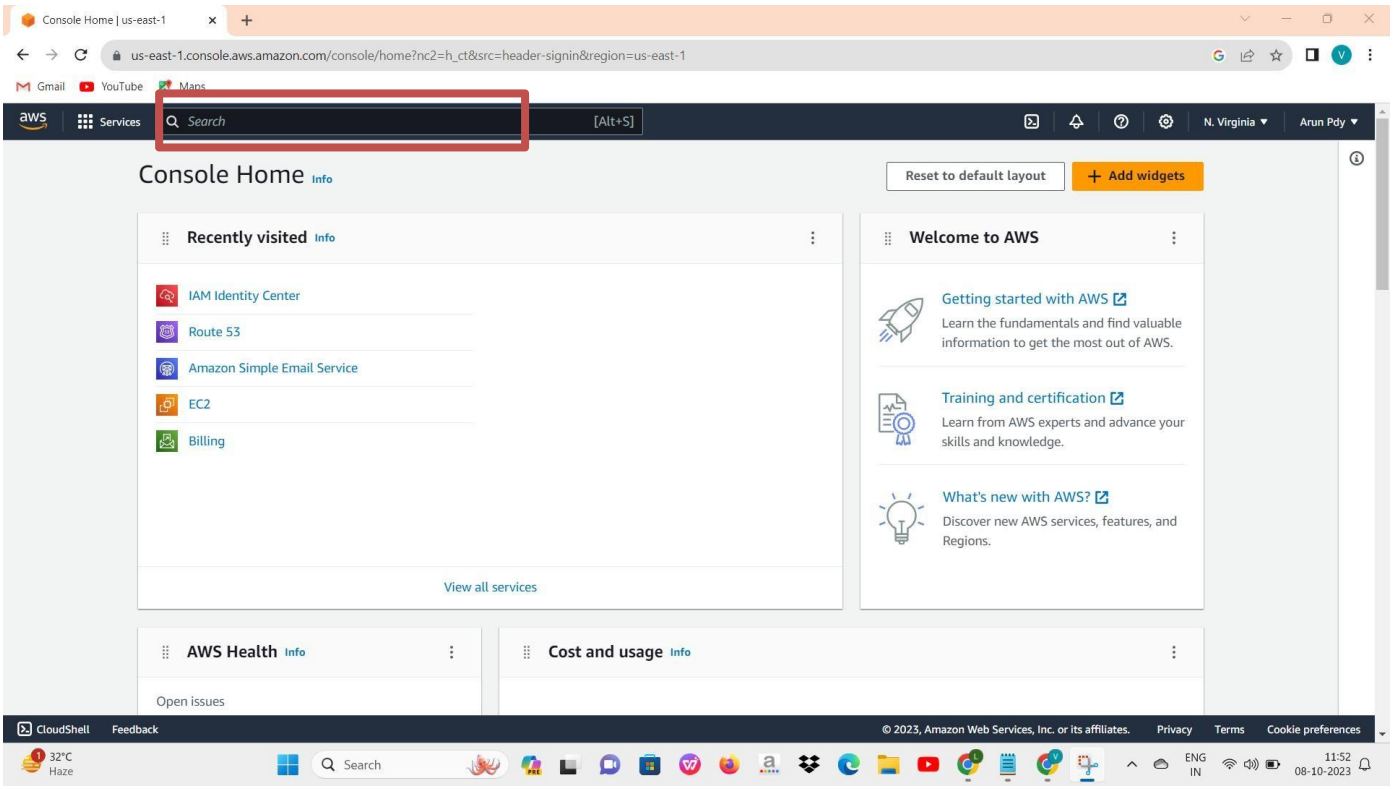
- Here you can see it asking for authentication,



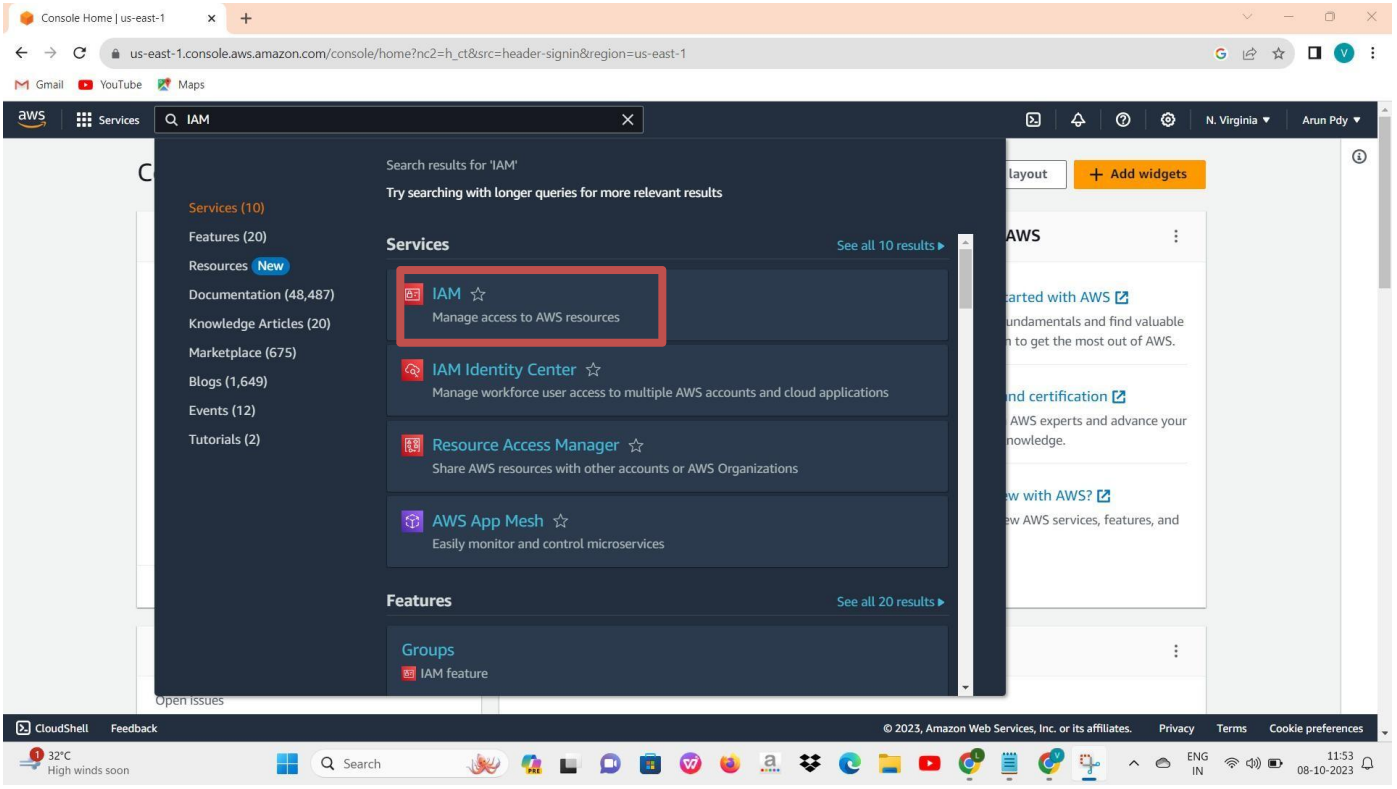
- In order to sing in paste the code get from extension.



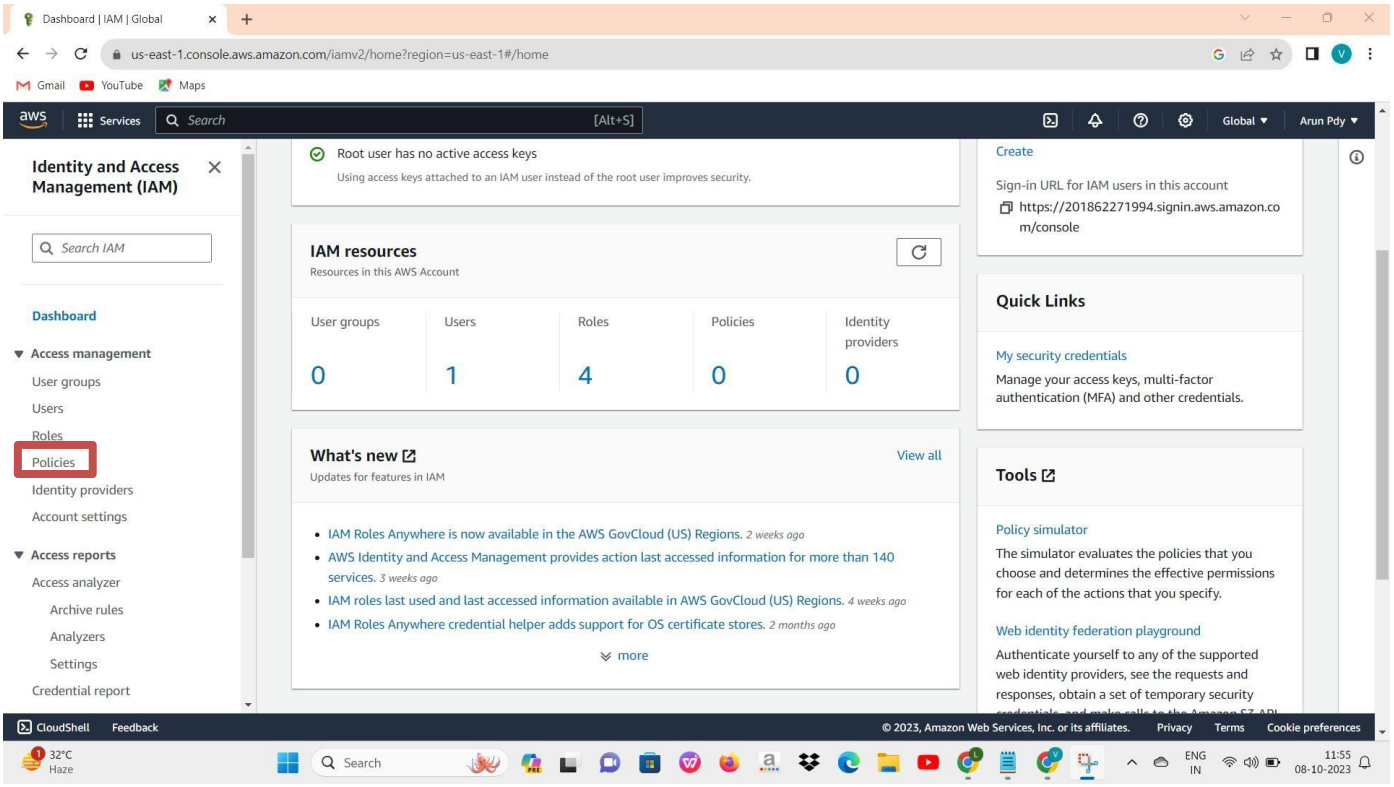
- The user get successfully signined.



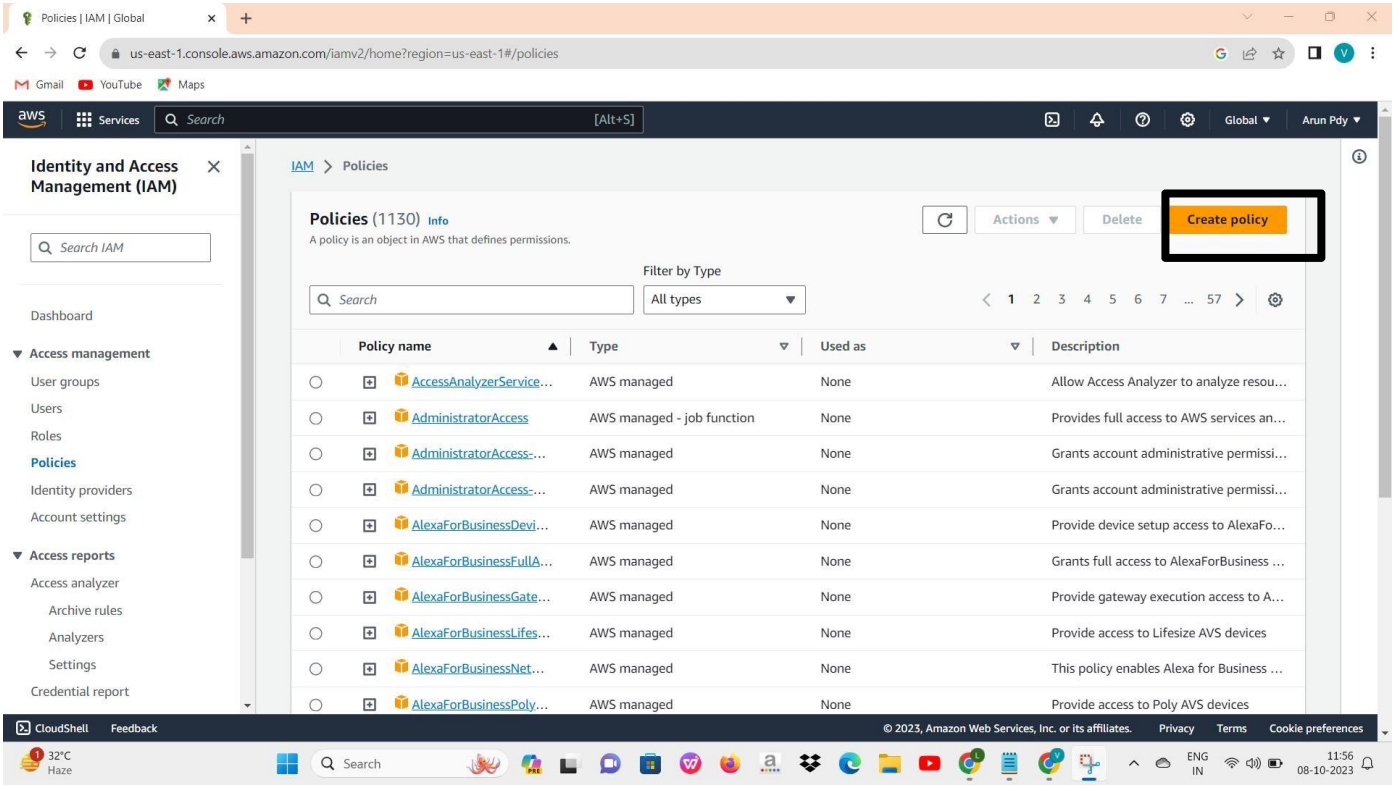
- search bar type IAM and search.



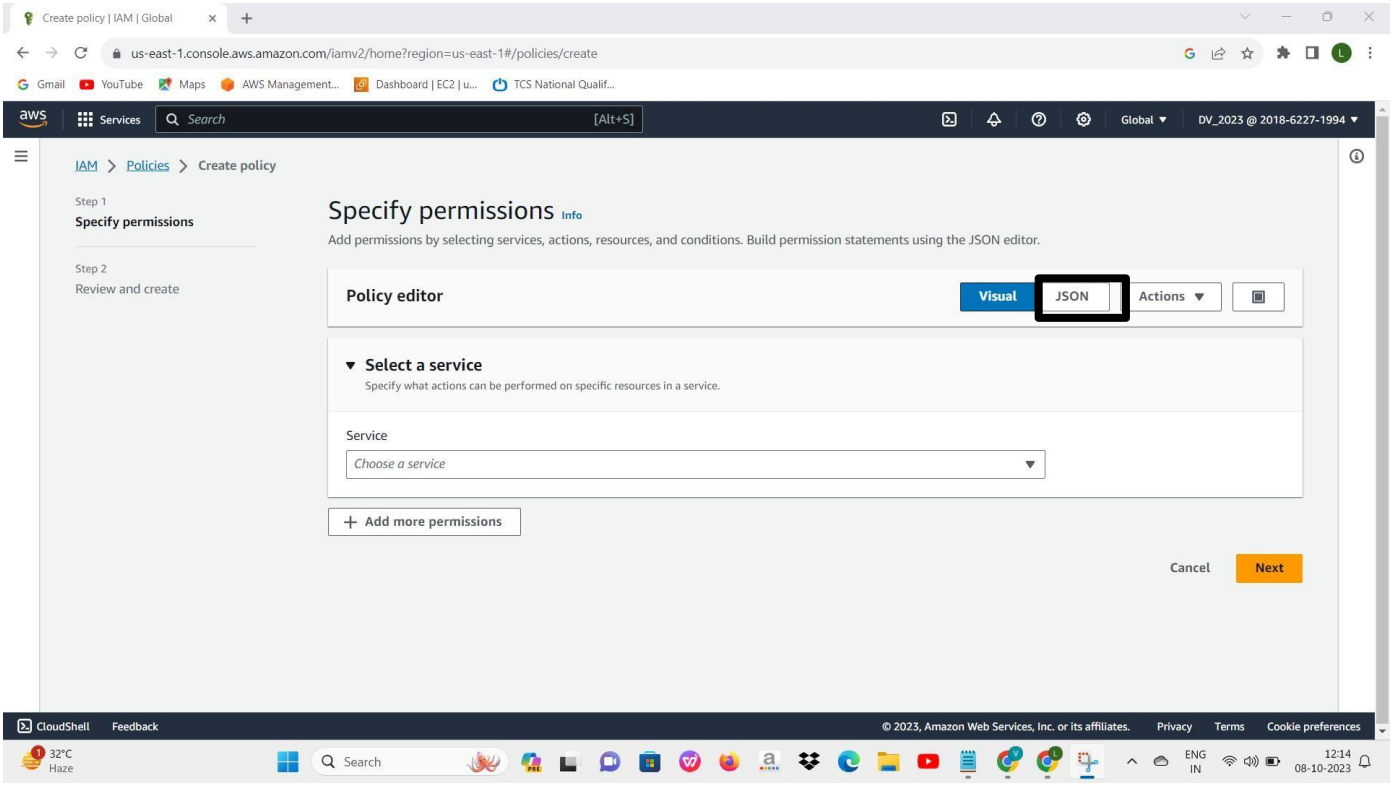
- Click the IAM.



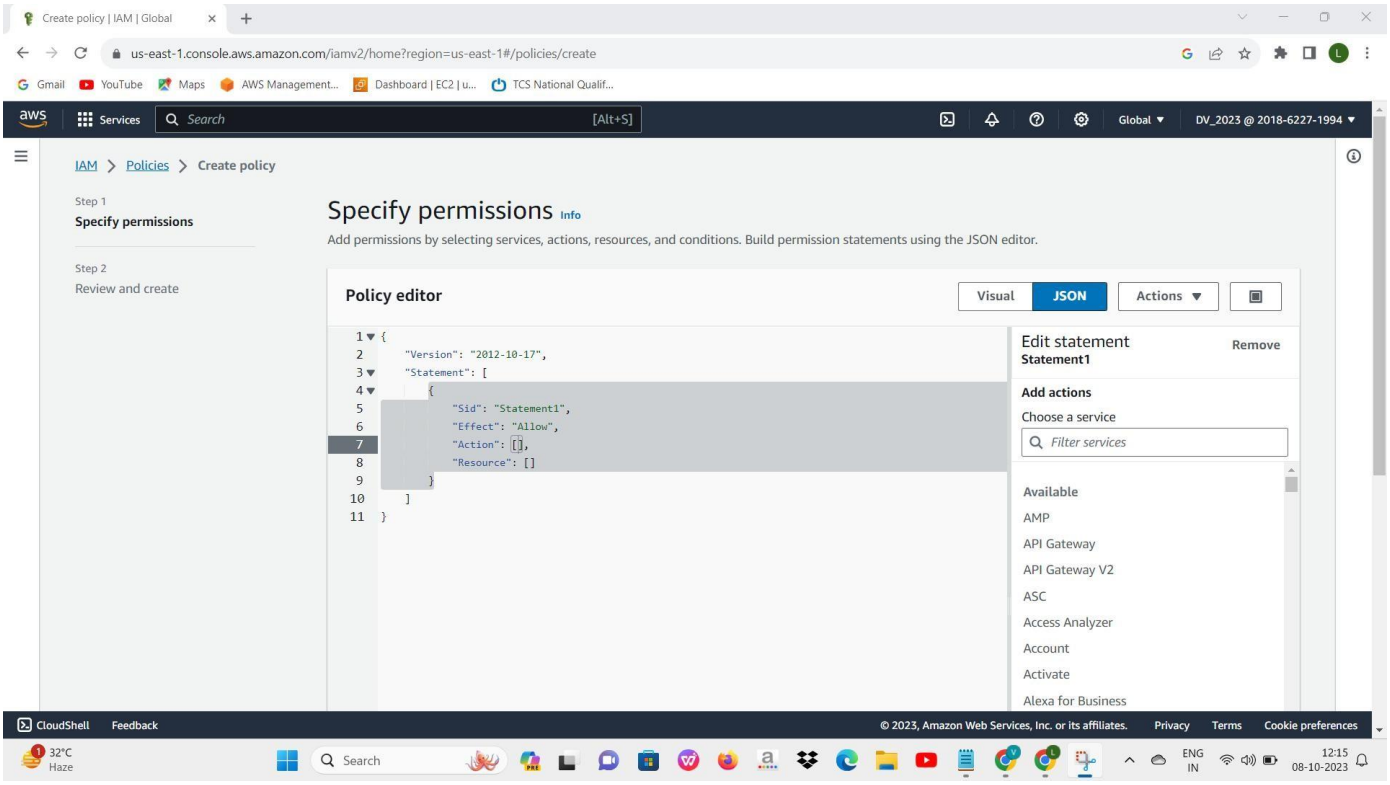
- Click the policy.



- click create policies.

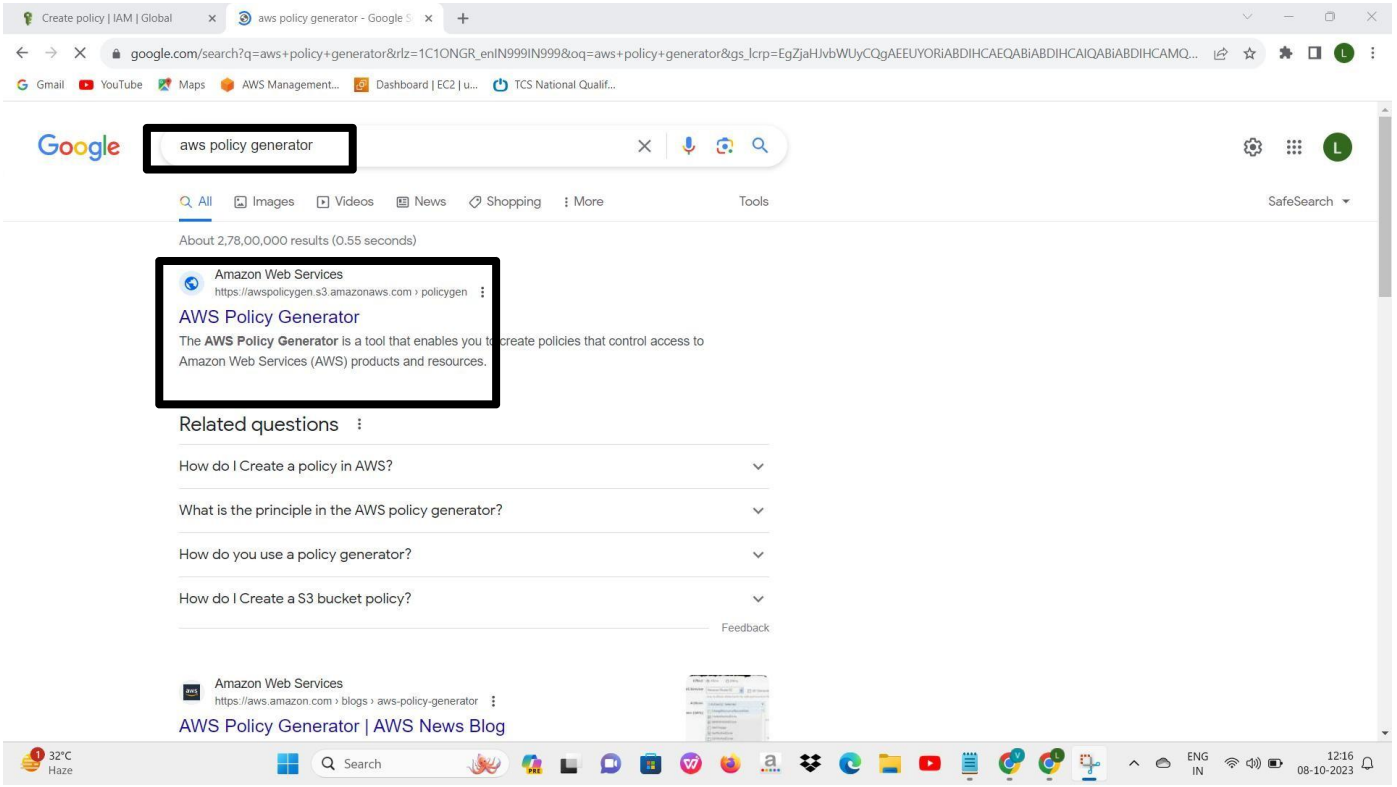

Create policy | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/policies/create
Gmail
YouTube
Maps
AWS Management...
Dashboard | EC2 | u...
TCS National Qualif...
aws
Services
Search
[Alt+S]
Global
DV_2023 @ 2018-6227-1994
IAM > Policies > Create policy
Step 1
Specify permissions
Step 2
Review and create
Specify permissions Info
Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.
Policy editor
Visual
JSON
Actions
Select a service
Specify what actions can be performed on specific resources in a service.
Service
Choose a service
Add more permissions
Cancel
Next
CloudShell
Feedback
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
32°C
Haze
Search
ENG
IN
12:14
08-10-2023

- Click json

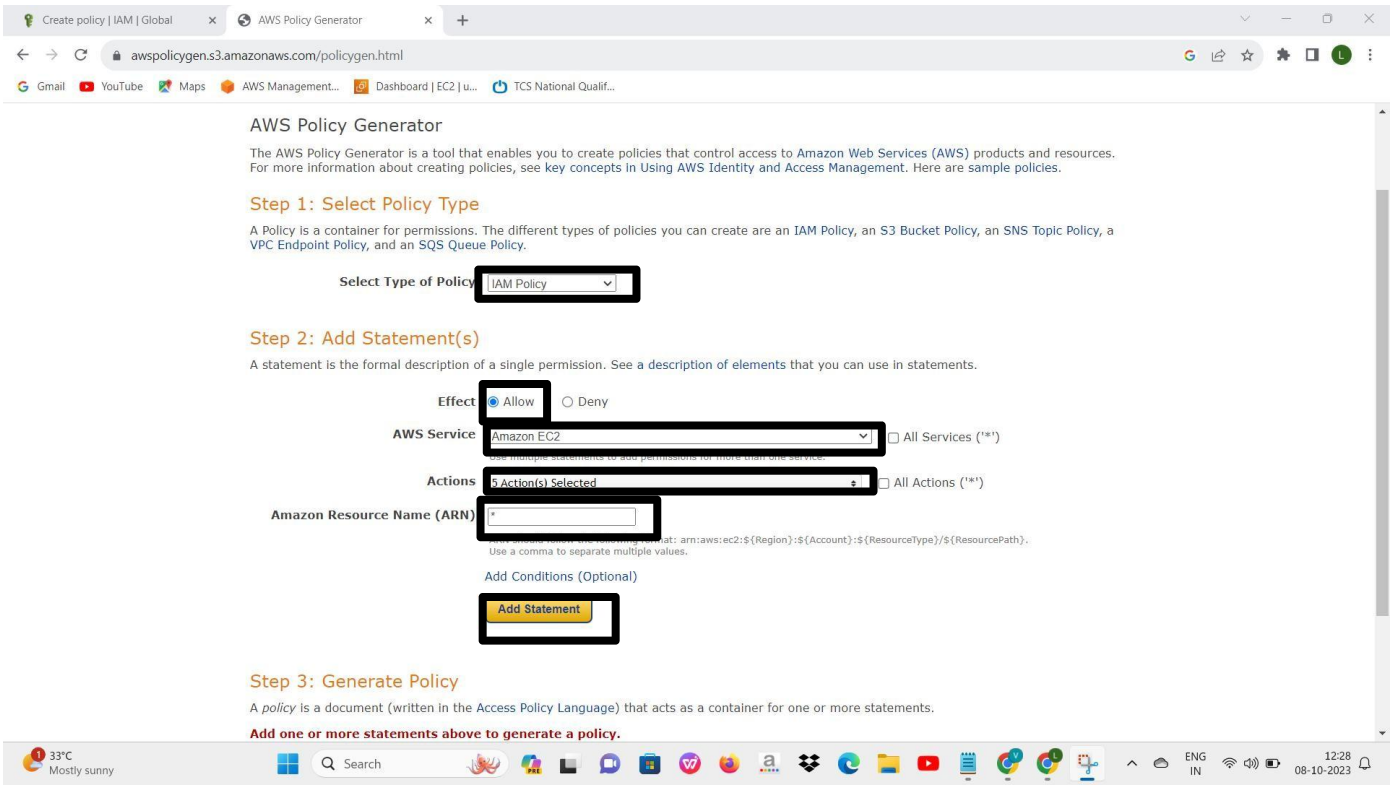


- The policy editor window will get open.

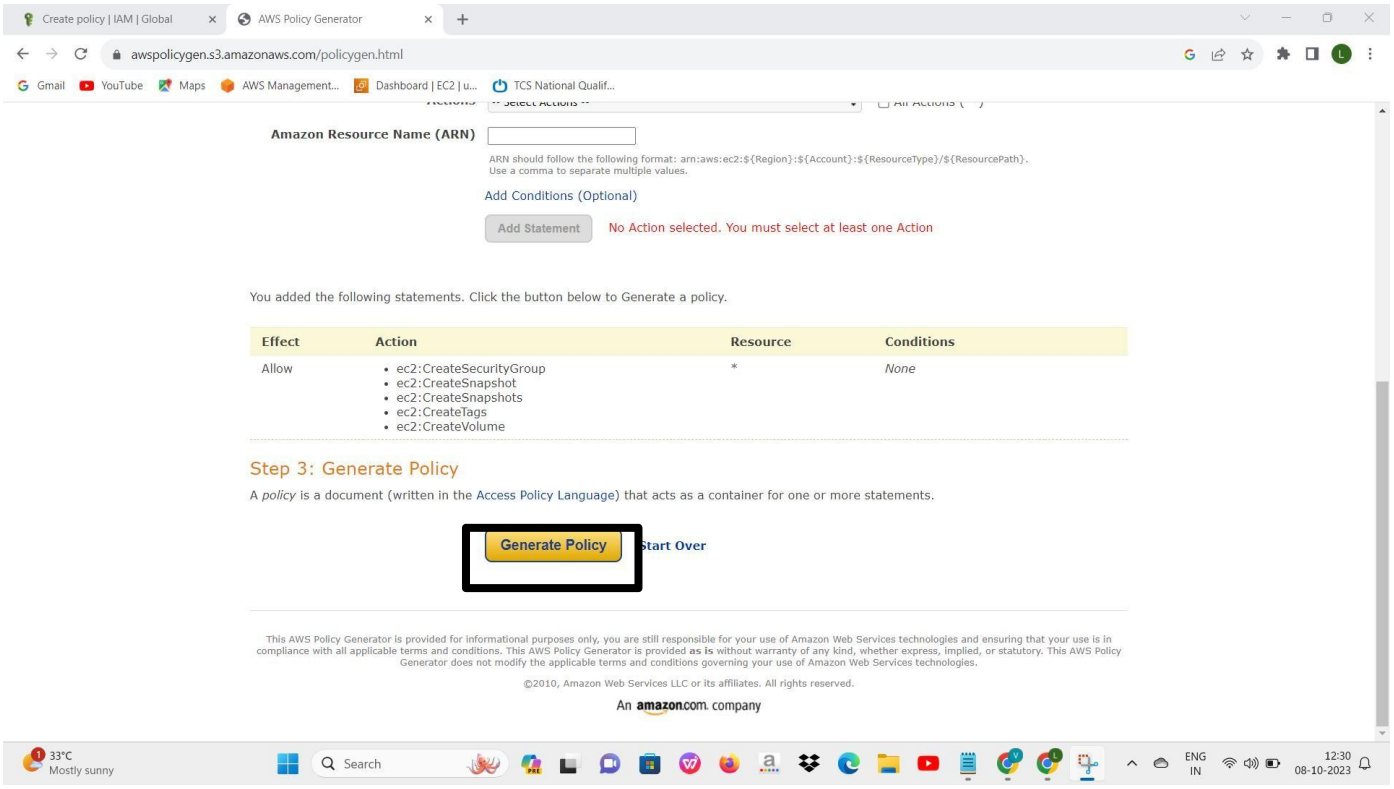
- Now open a new tab search for aws policy generator



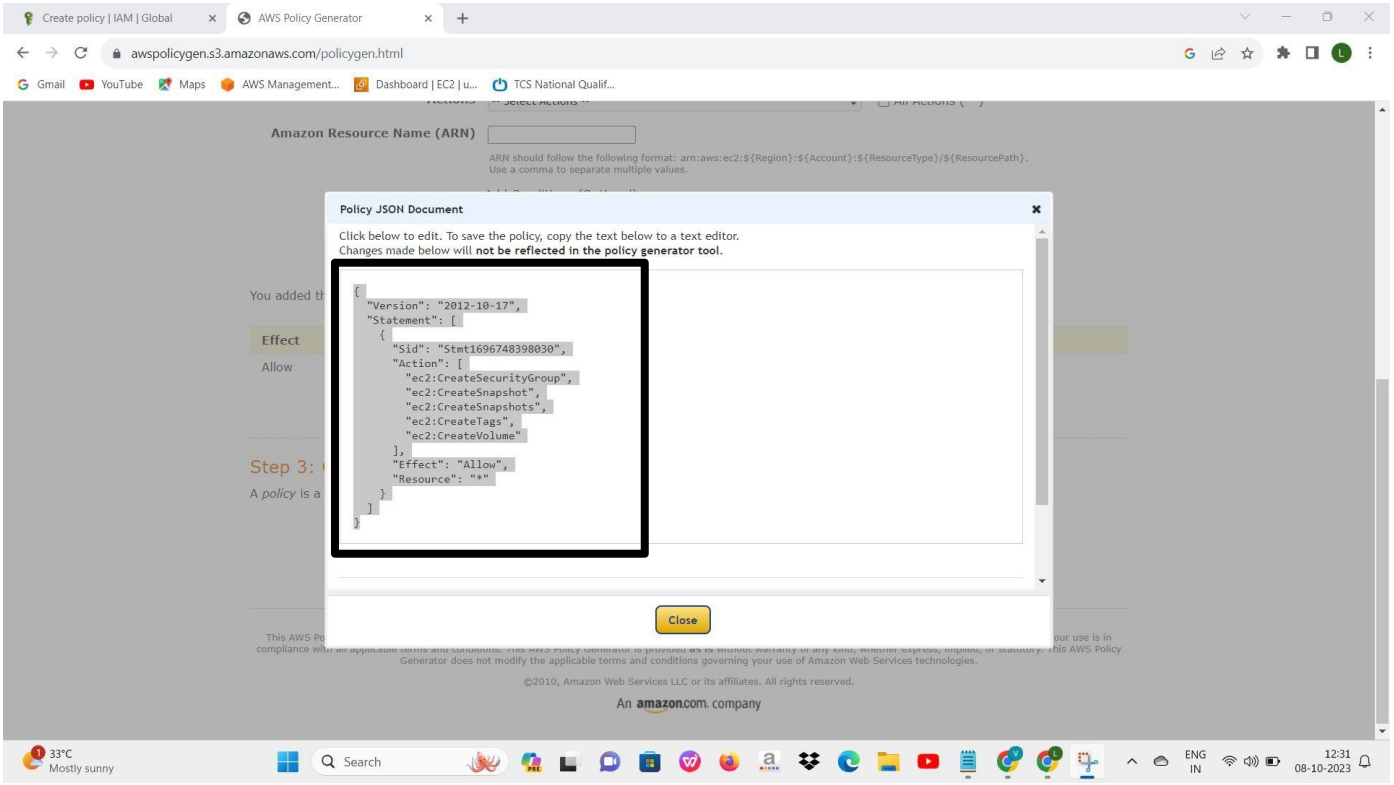
- Click the aws policy generator.



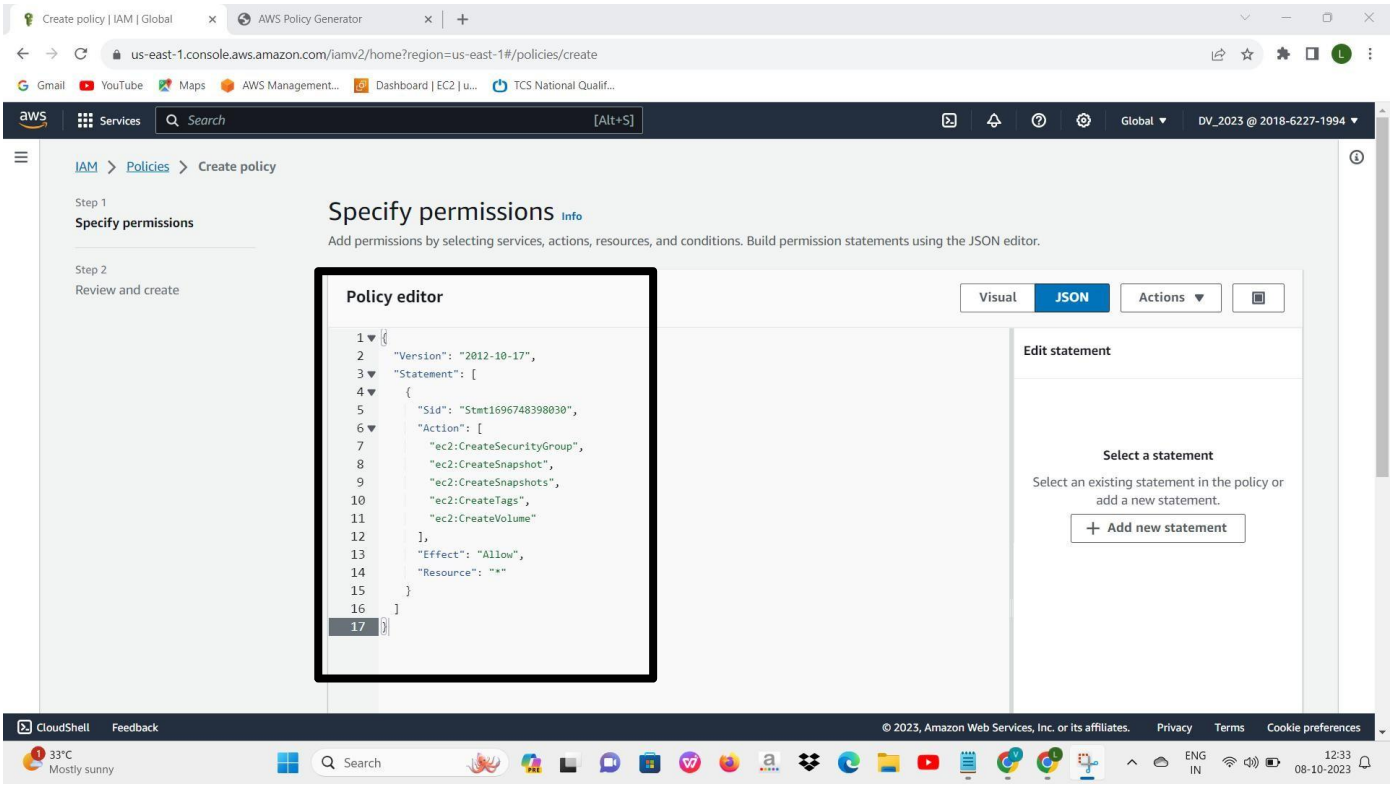
- Choose type as IAM policy.
- effect-allow.
- aws service-amazon EC2
- In actions
- I have selected ,creation of instance,volume,snapshots,etc→you can choose according to your choice.
- Amazon resource name-enter * symbol.
- click add statement.



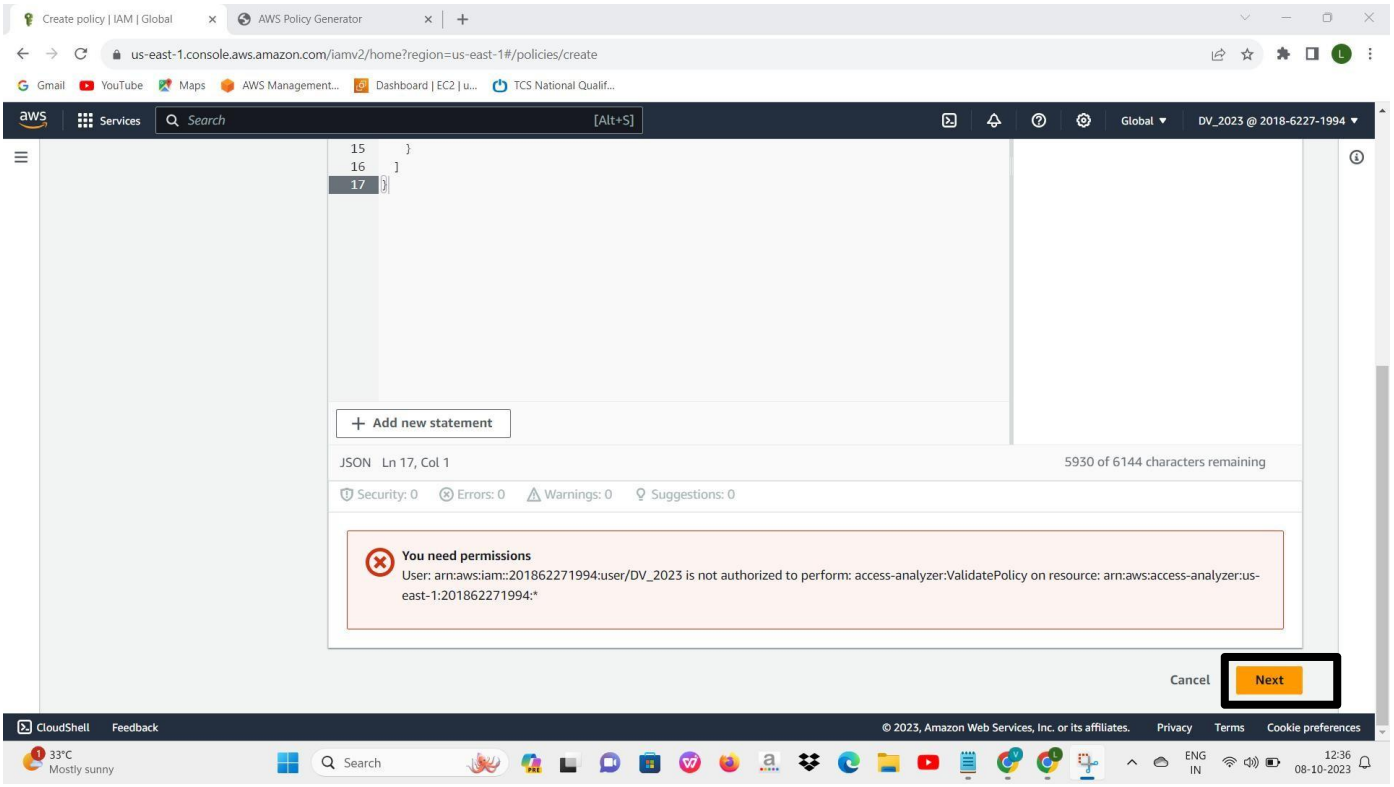
- Click generate policy.



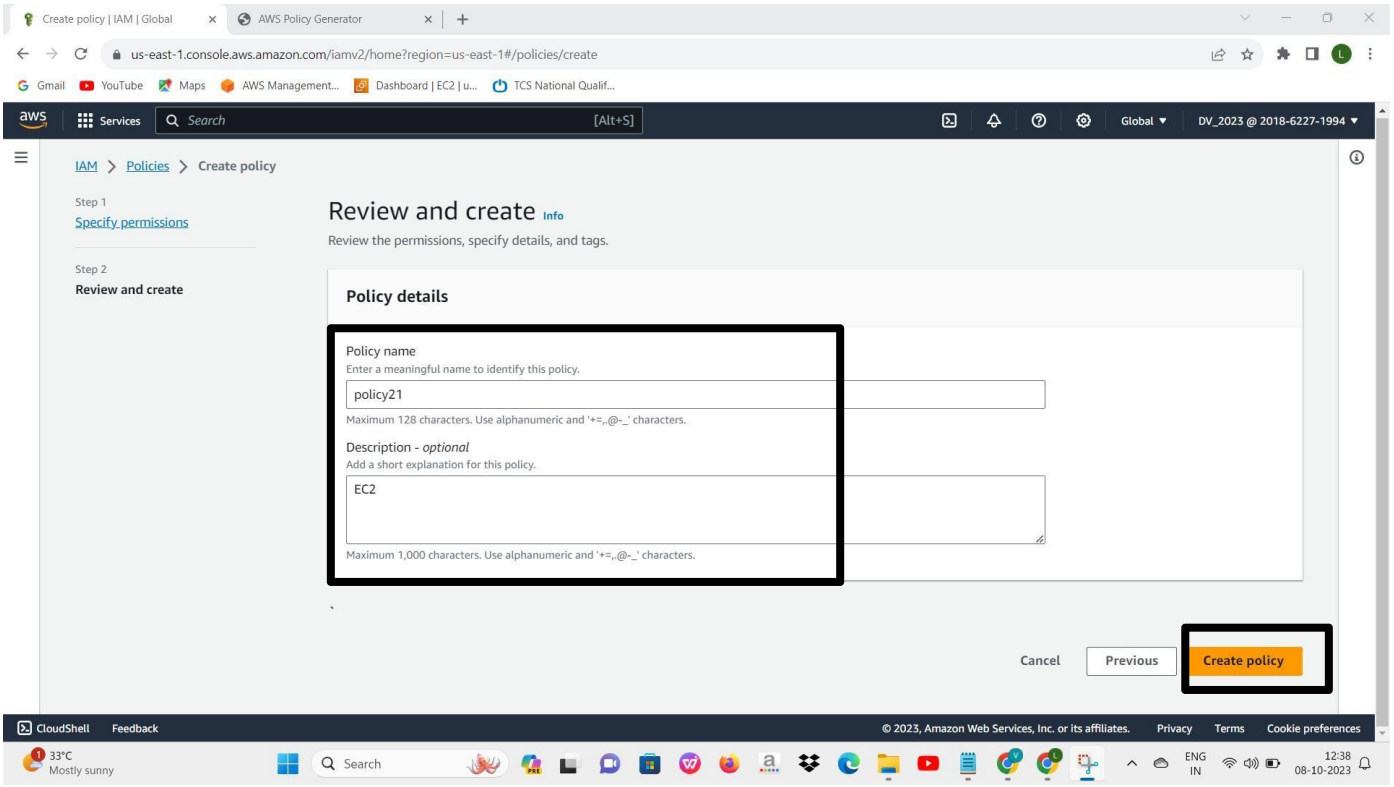
- The policy has been generated successfully. copy it.



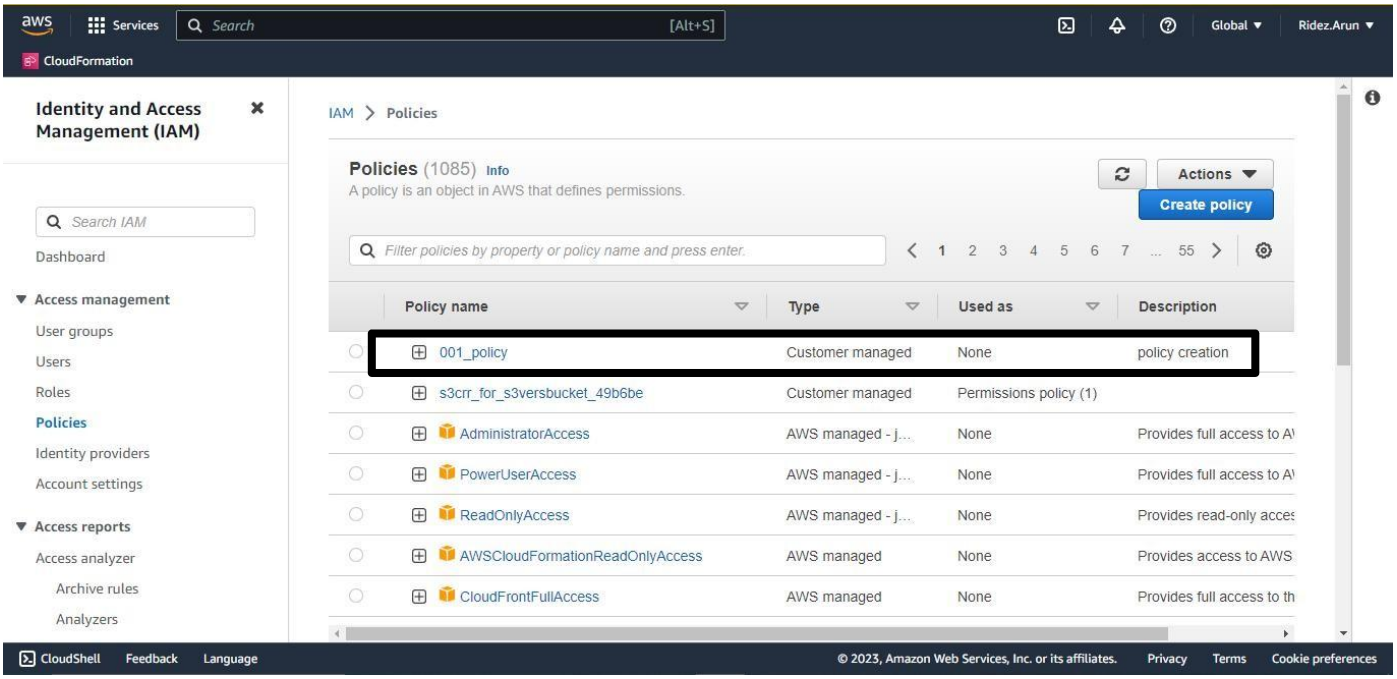
- Back to aws.
- paste it in the policy editor.


Create policy | IAM | Global
AWS Policy Generator
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/policies/create
Services
Search
[Alt+S]
Global
DV_2023 @ 2018-6227-1994
15 }
16]
17 }
Add new statement
JSON Ln 17, Col 1
5930 of 6144 characters remaining
Security: 0
Errors: 0
Warnings: 0
Suggestions: 0
You need permissions
User: arn:aws:iam::201862271994:user/DV_2023 is not authorized to perform: access-analyzer:ValidatePolicy on resource: arn:aws:access-analyzer:us-east-1:201862271994:*
Cancel
Next
CloudShell
Feedback
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
33°C
Mostly sunny
Search
ENG
IN
12:36
08-10-2023

- click next.

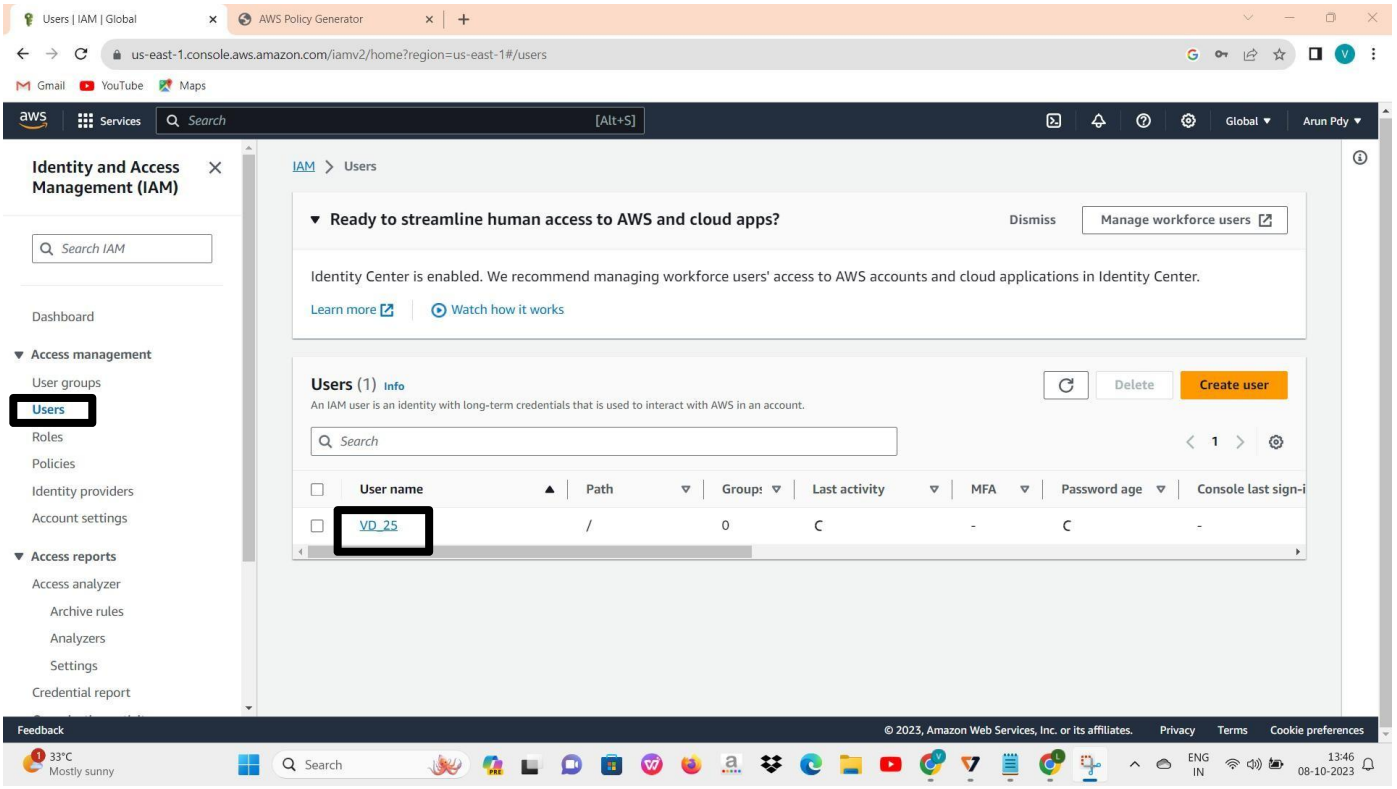


- Give name.
- Click create policy.

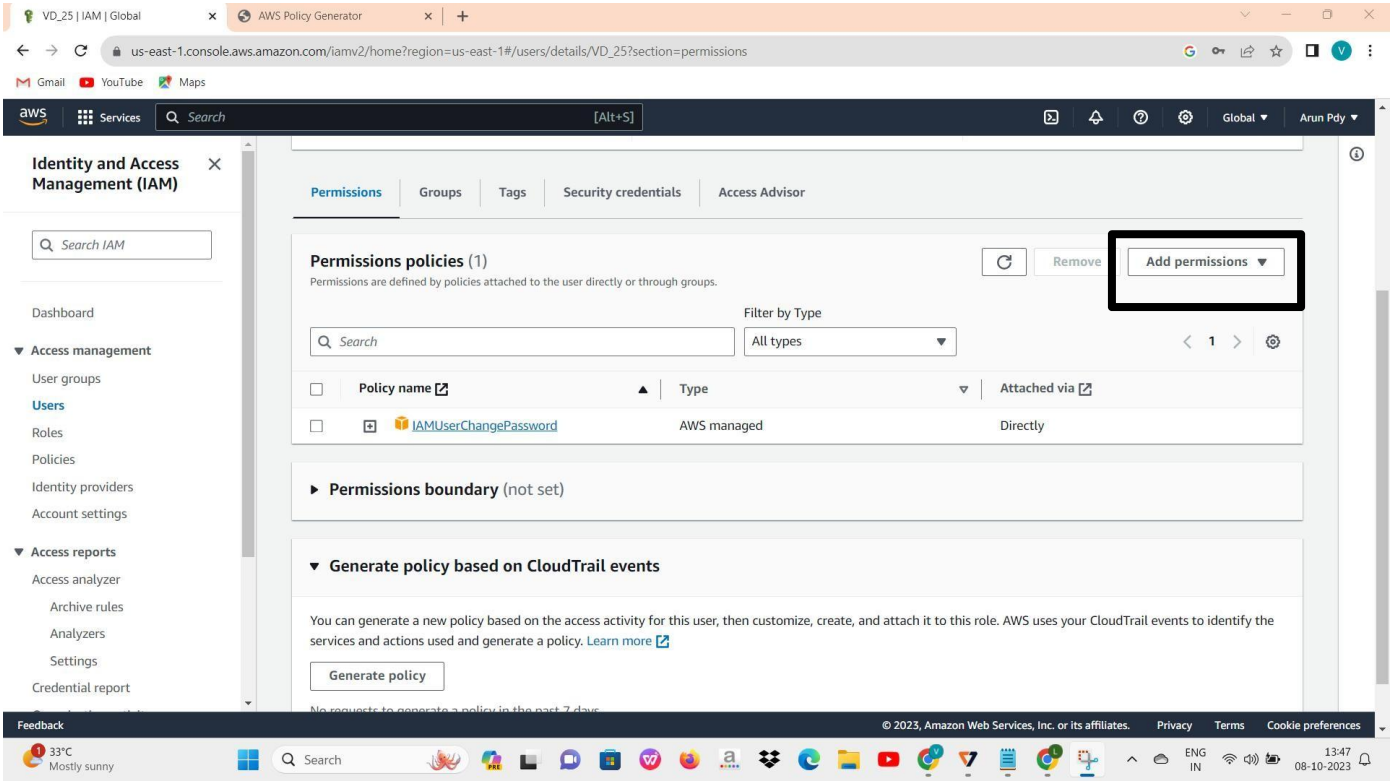


.

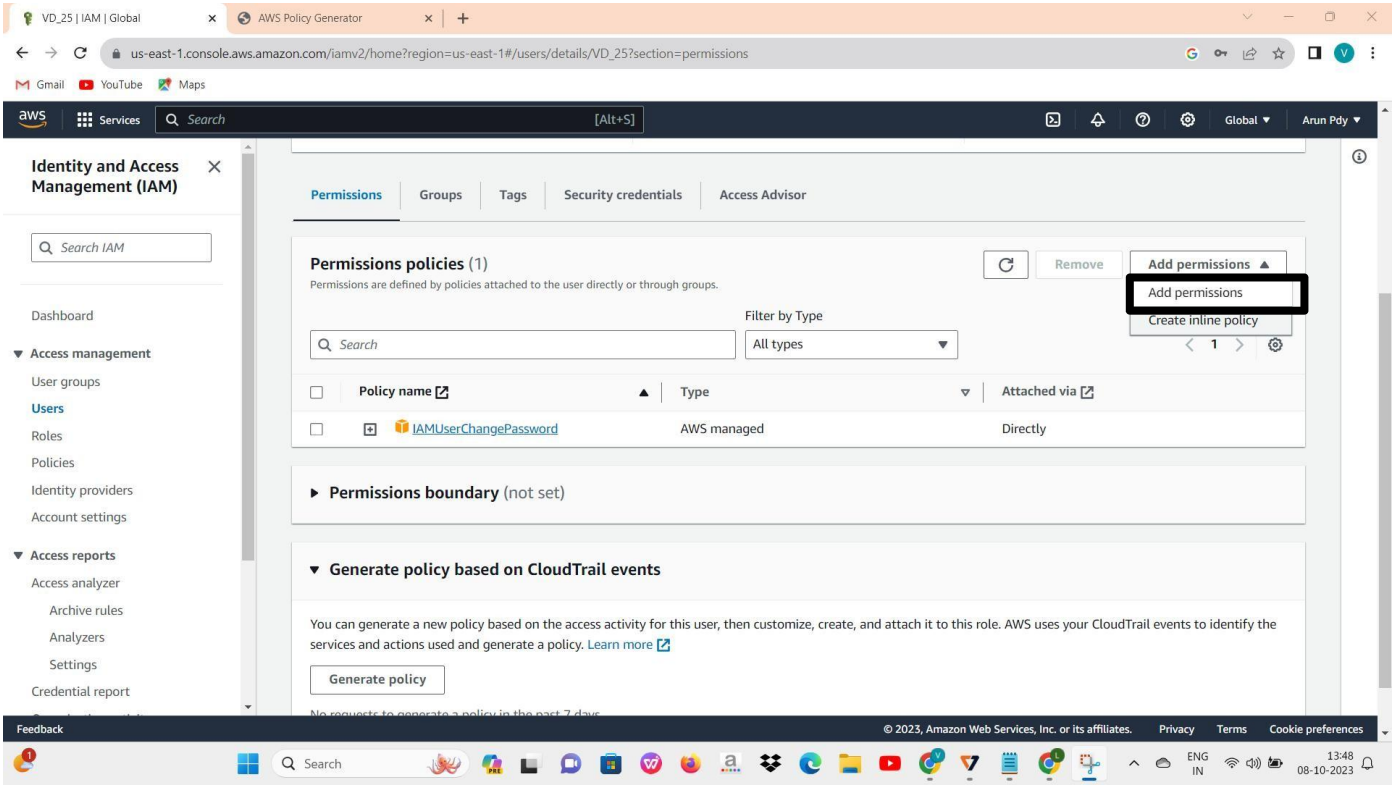
- The policy has been created successfully



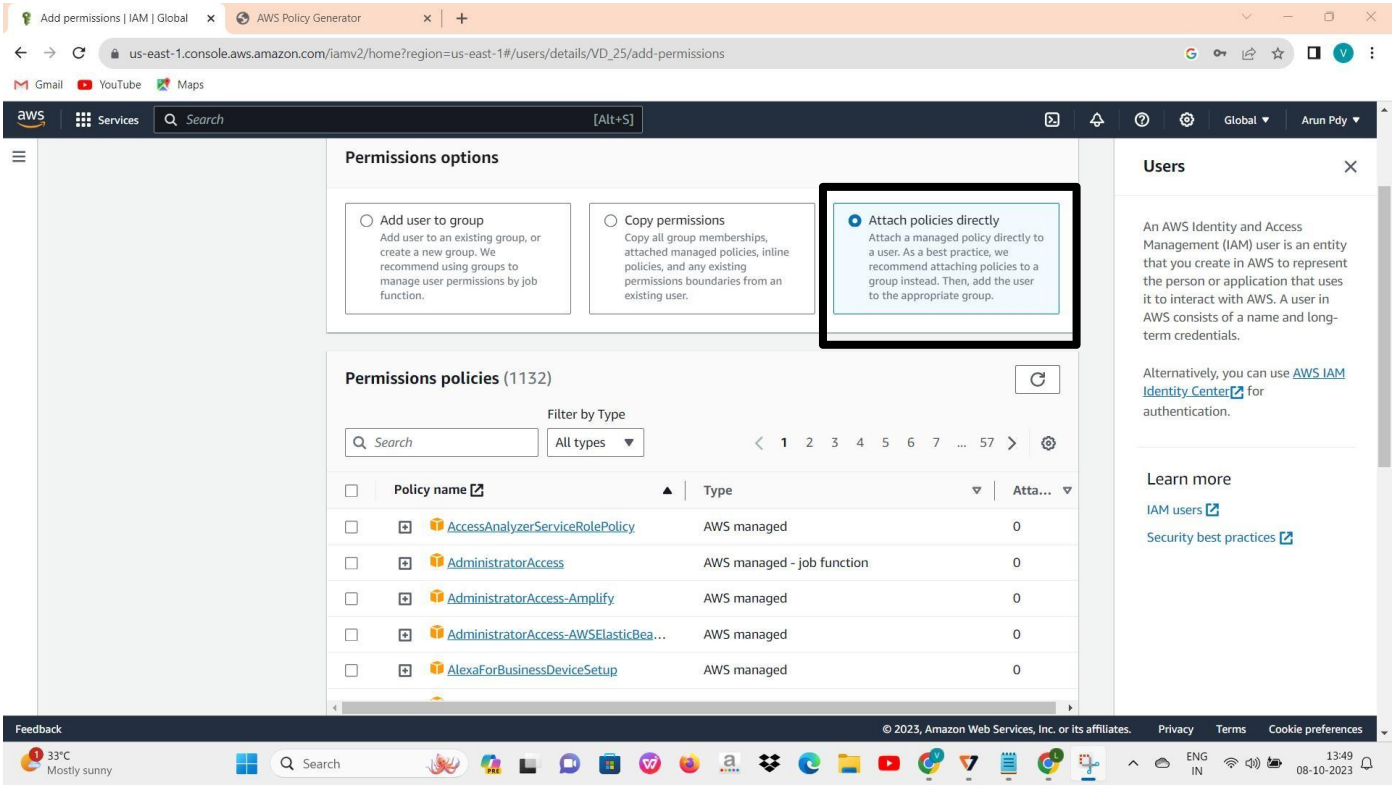
- Go to users.
- click the user name.



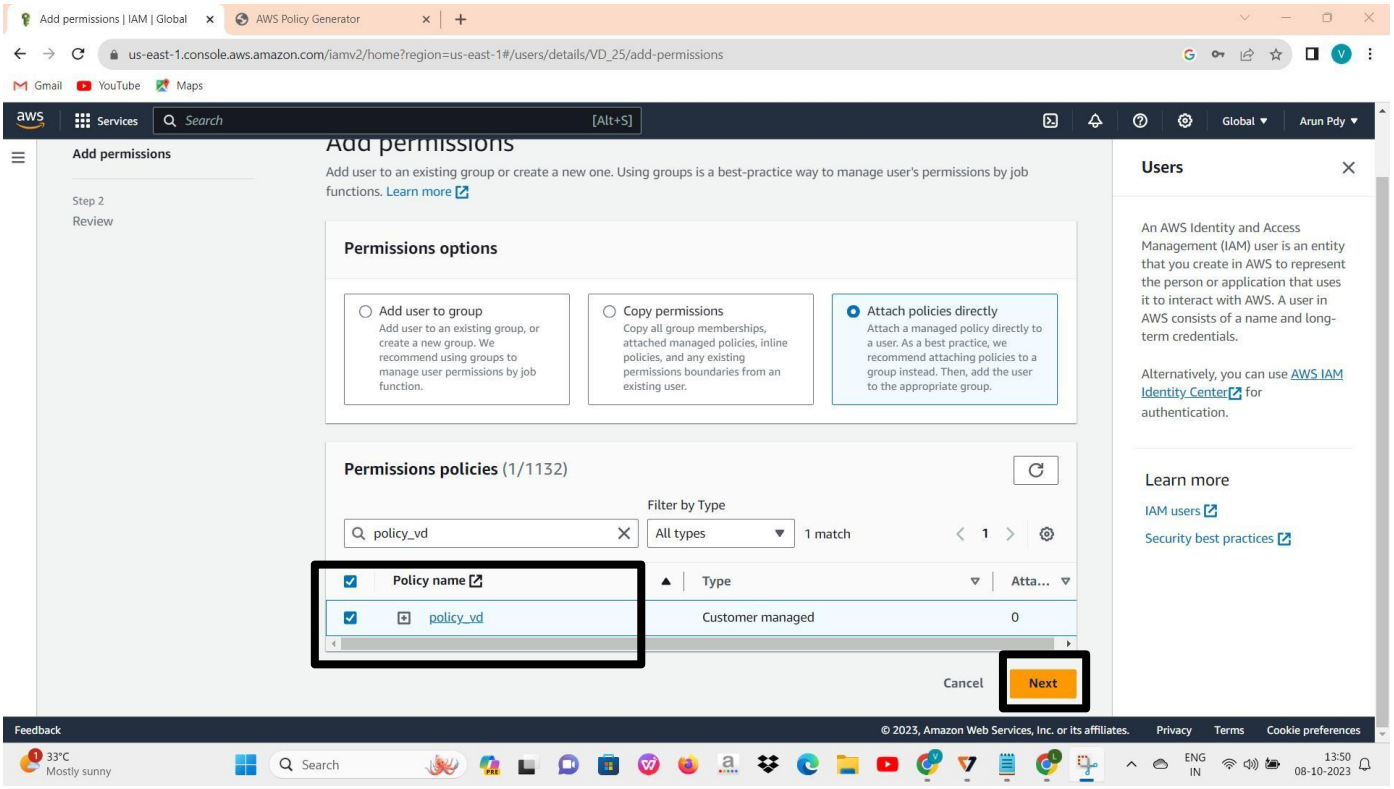
- Here you can see permission .
- Click the dropdown



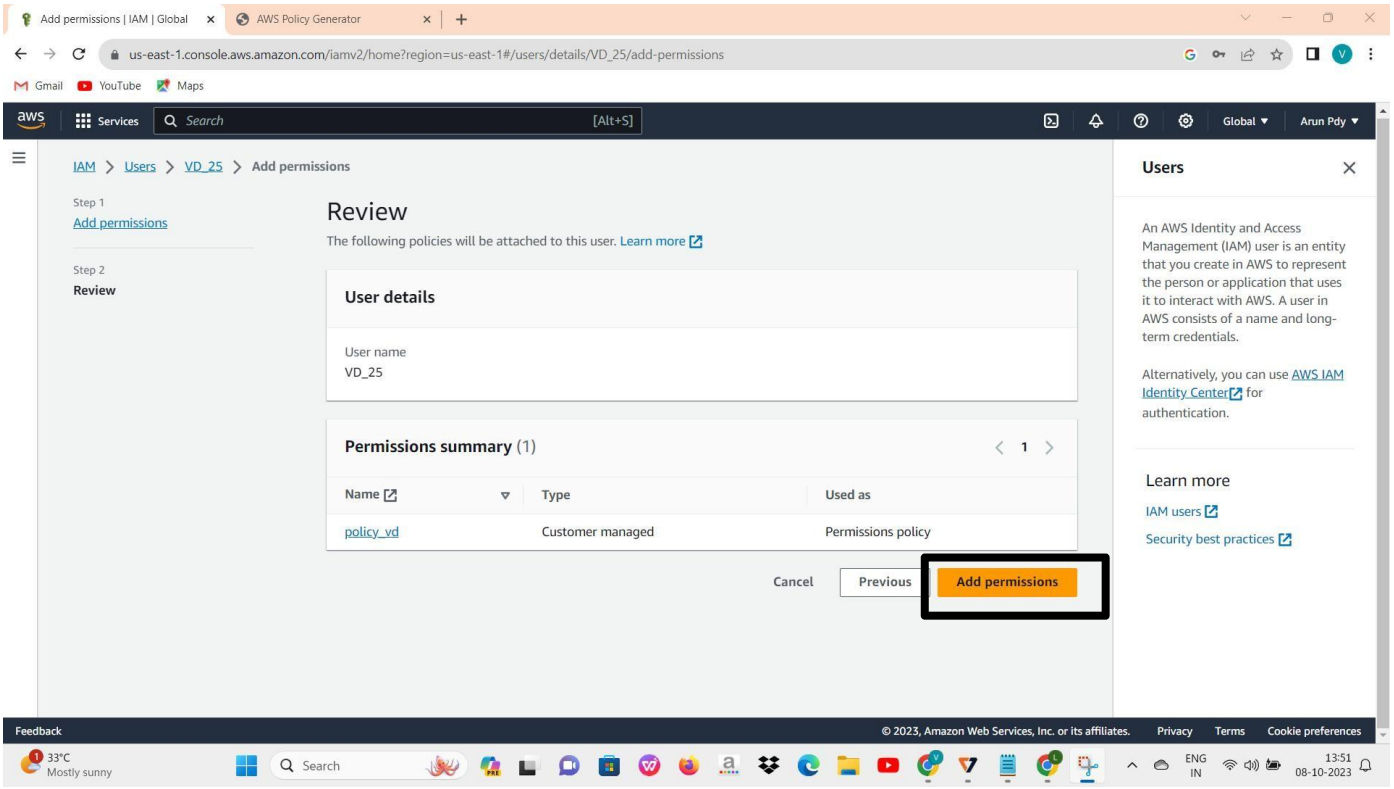
- click add permissions.



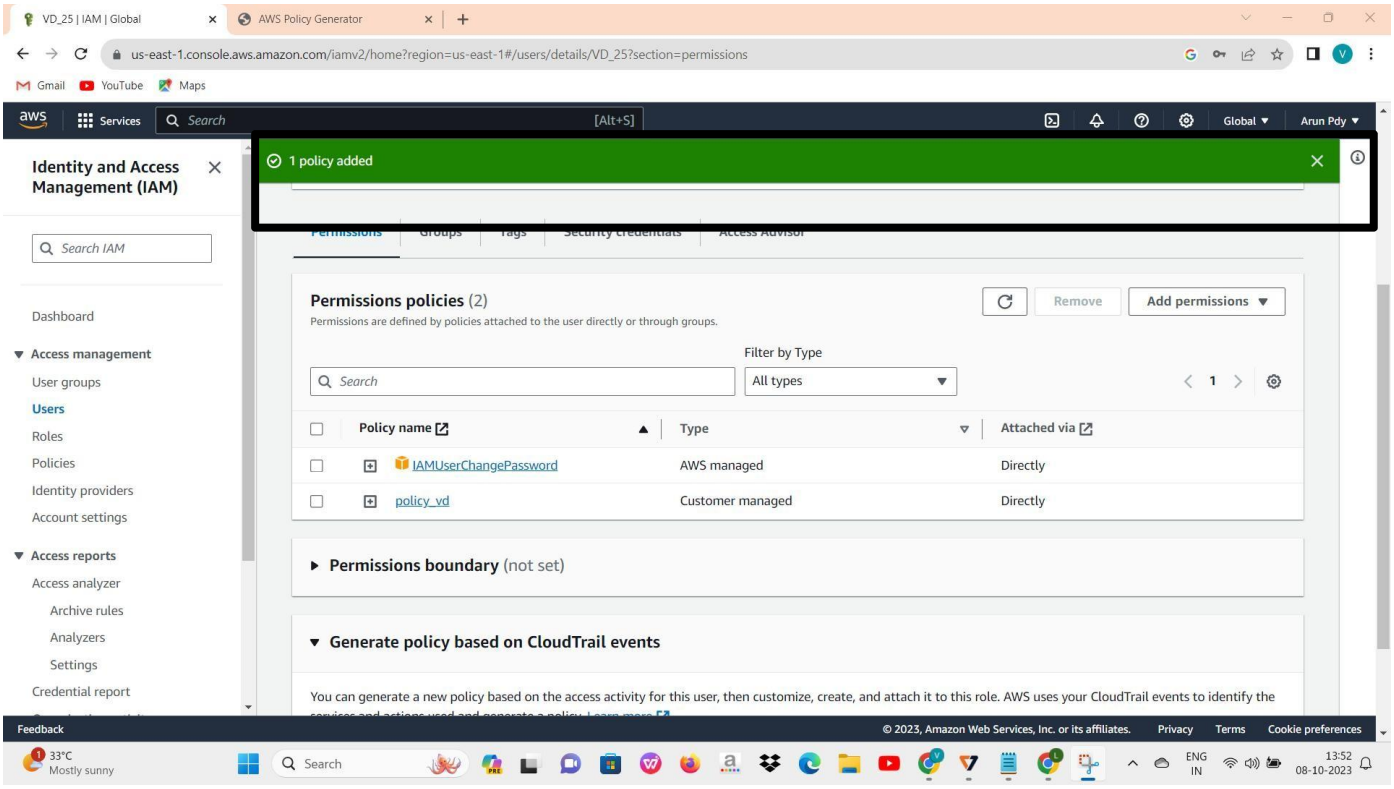
- Select attach policies directly.



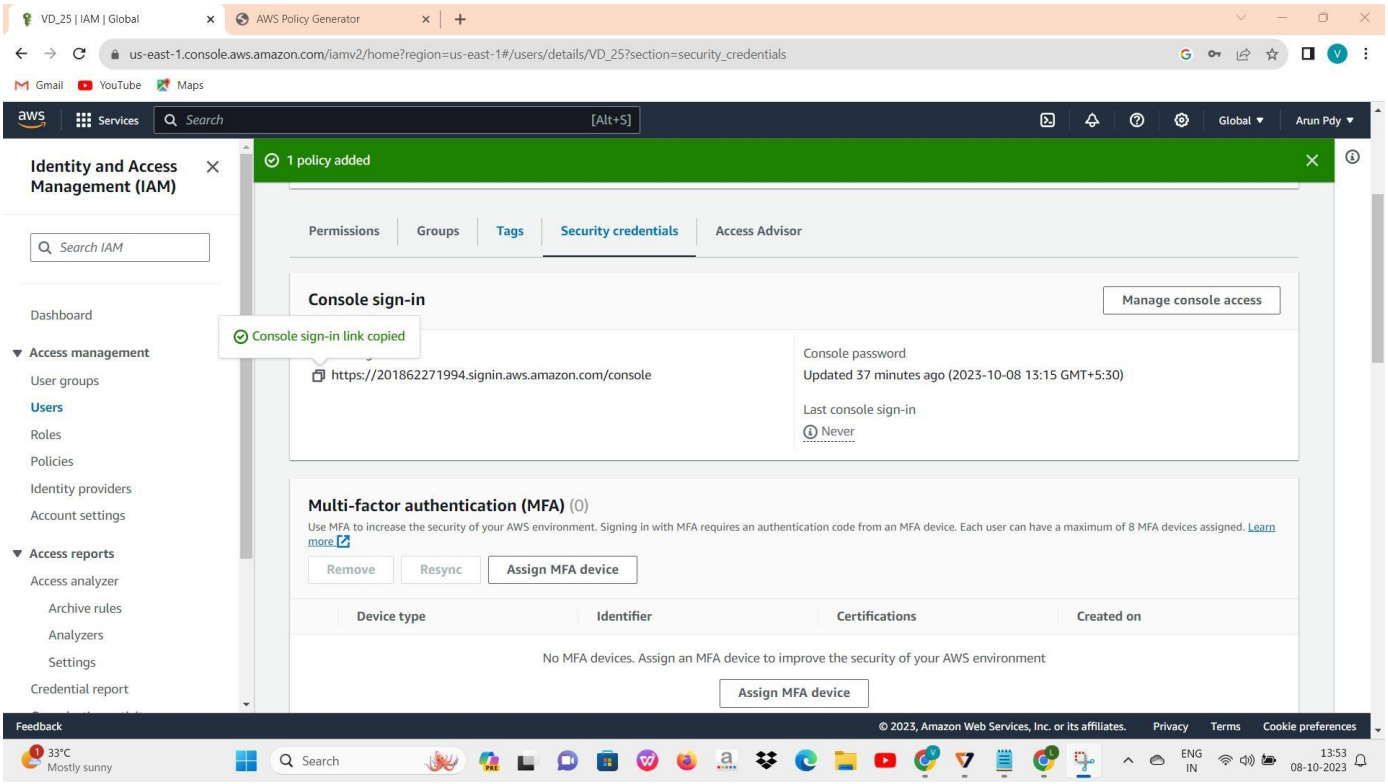
- Here you can see the policy that we created.
- choose tit.
- Click the next.



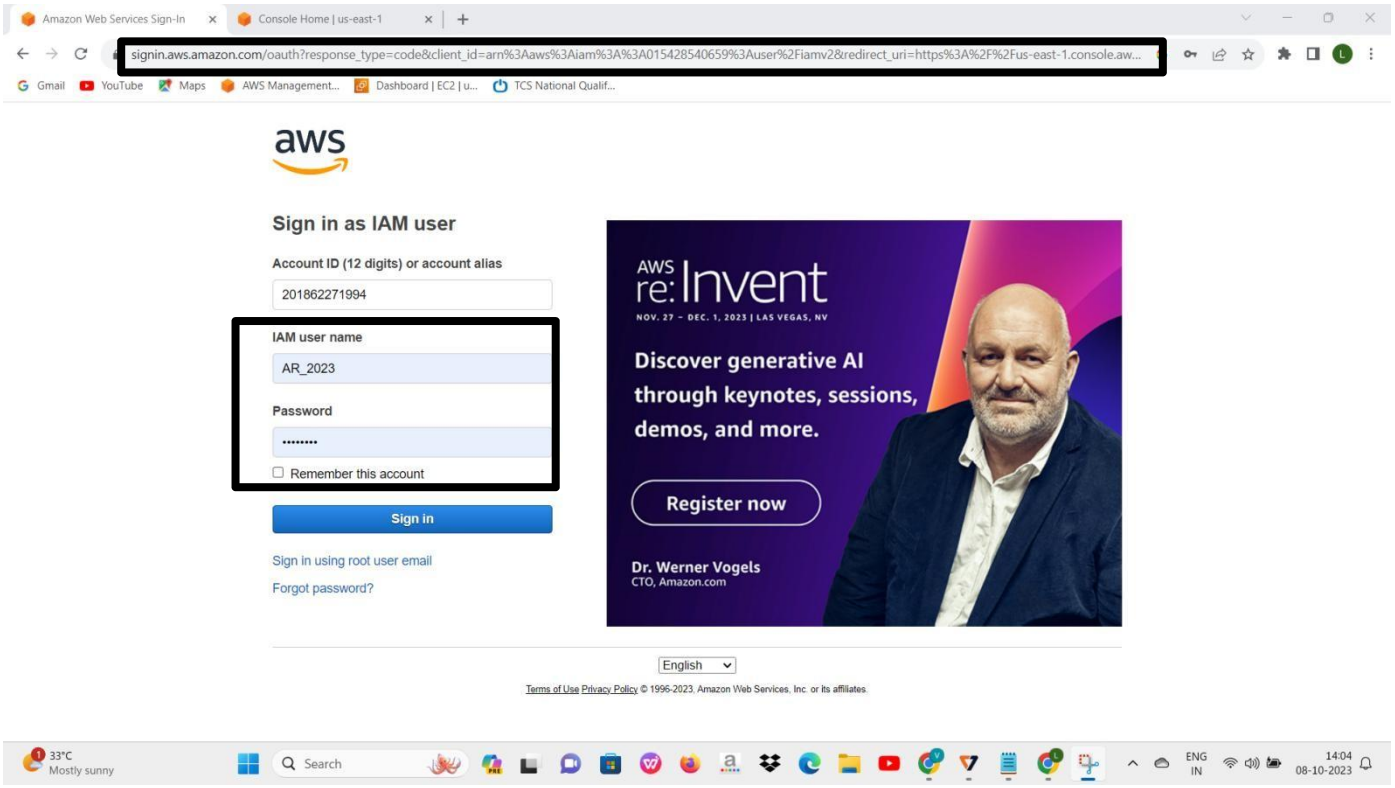
- Click add permissions.



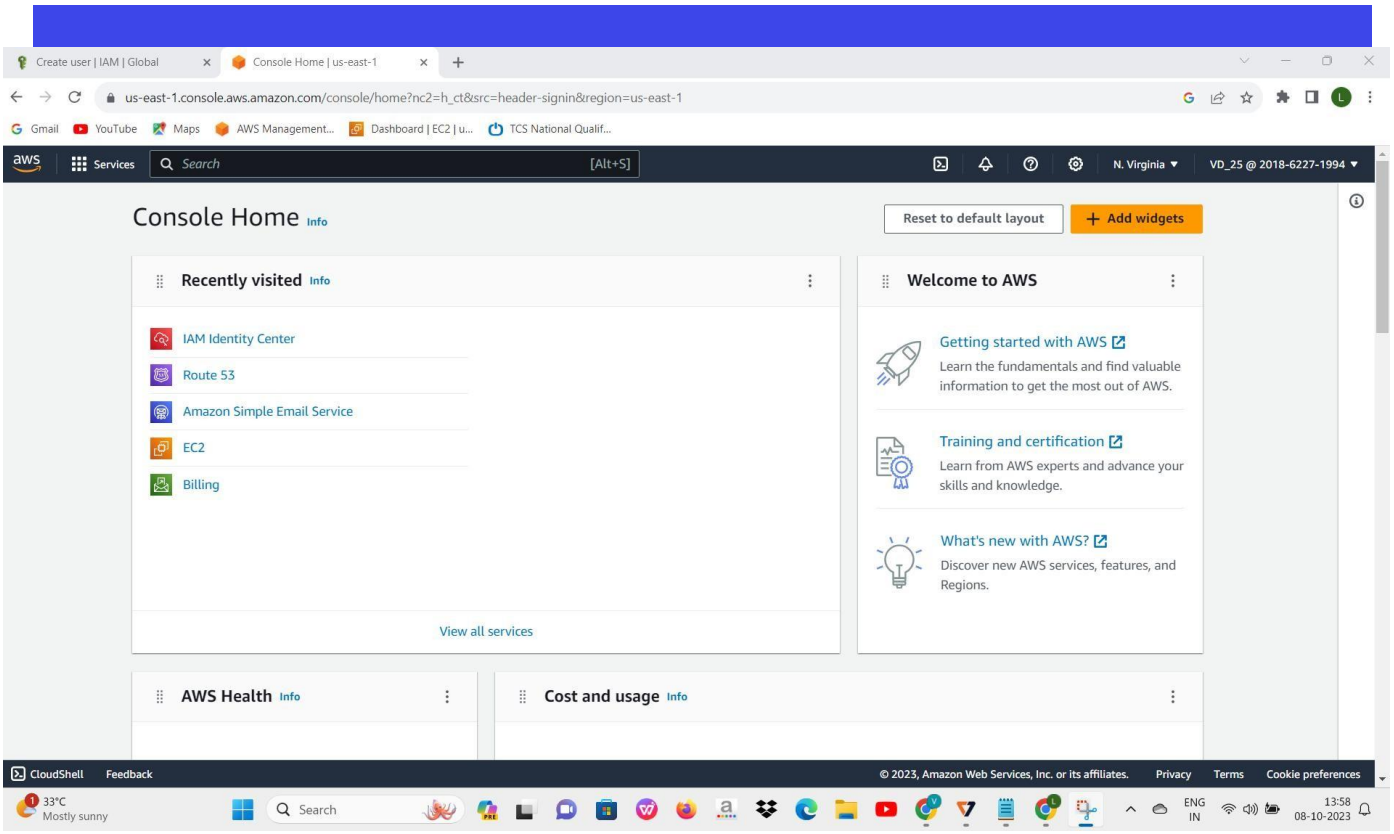
The policy has been added successfully



- Now go to security credentials.
- copy the url.
- paste in new tab.



- Now login with the username and password.



- The user has been successfully logged In.
- you can now able to access only the resources according to policy.
- The resources not attached to the policies will not be accessed.

THANK YOU