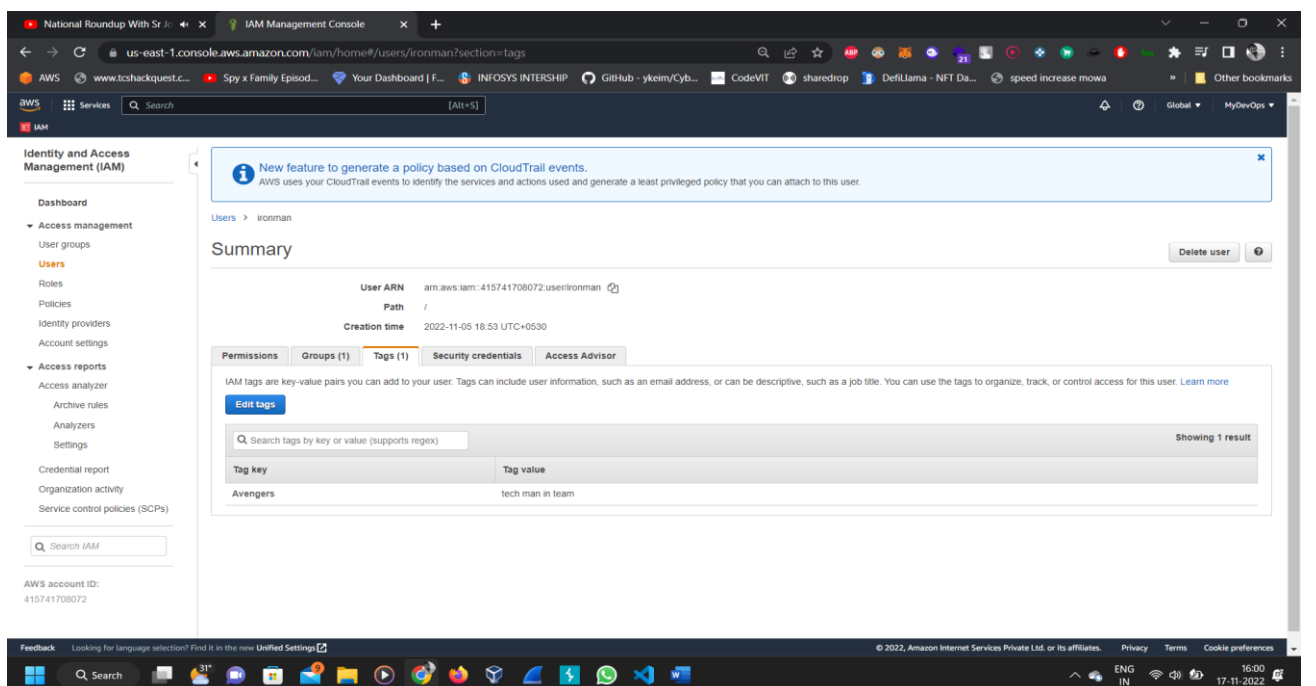
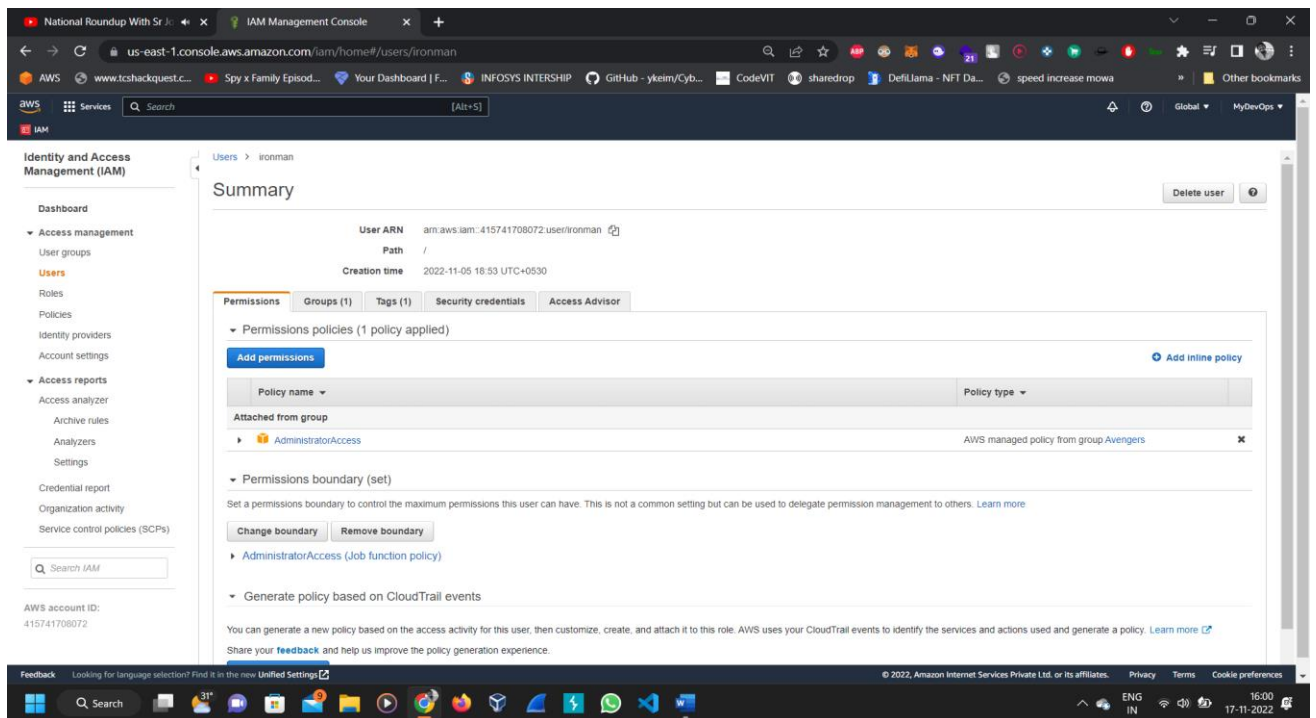




Assignment 1: -

Create an IAM user with username of your own wish and grant administrator policy.

Ans: I have created a user with “ironman” and grant administrator.

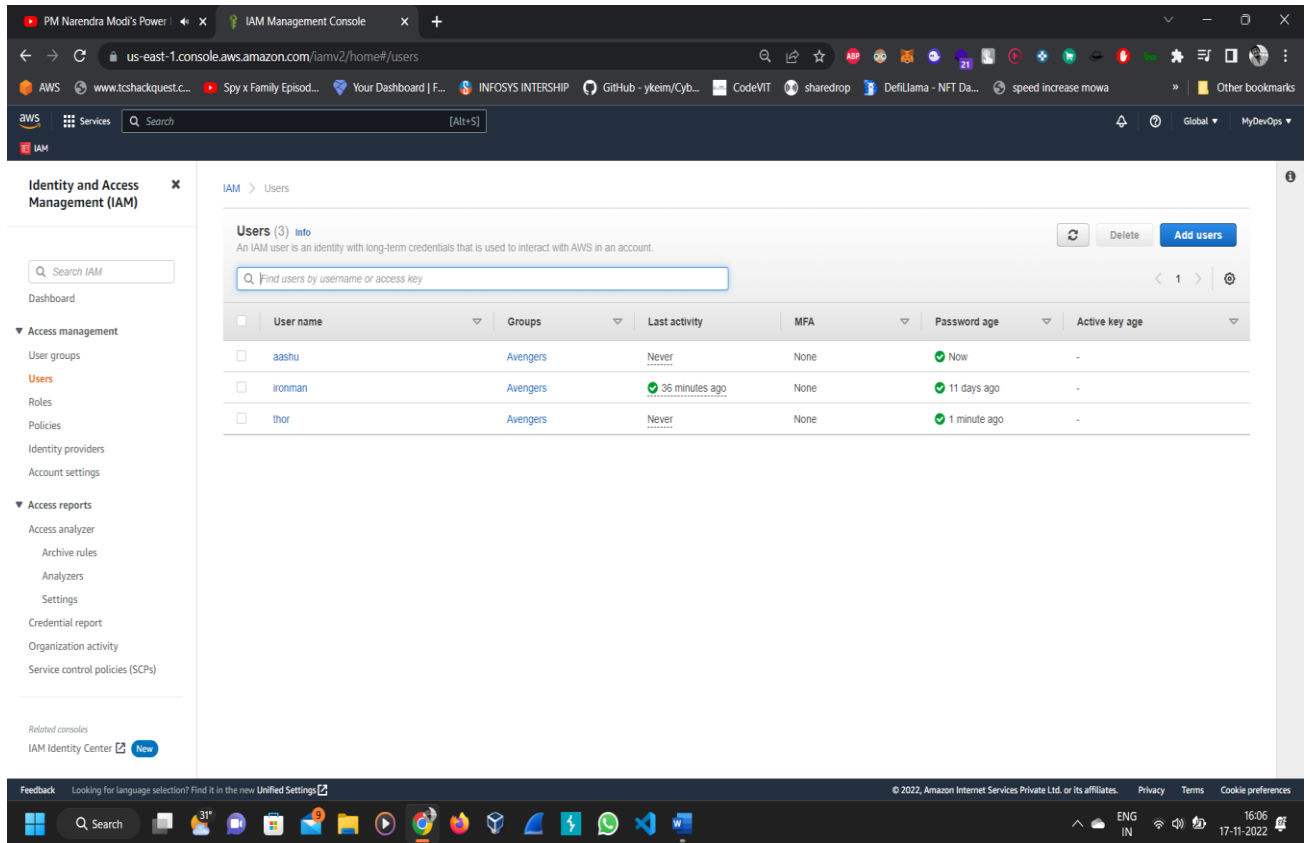


NAME: BANDE PRIYATHAM NAGA AASHISH

Assignment 2: -

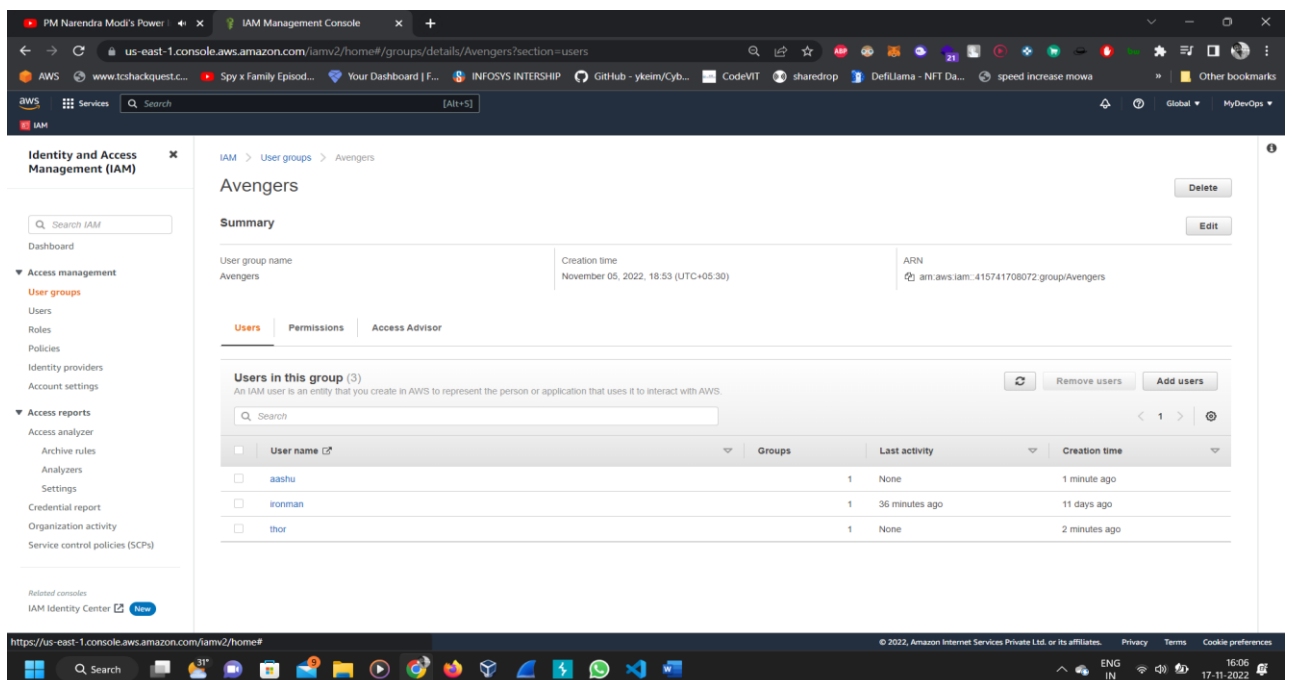
Hello students, in this assignment you need to prepare a developers team of avengers. - Create 3 IAM users of avengers and assign them in developer's groups Witham policy.

Ans:



The screenshot shows the AWS IAM Management Console 'Users' page. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Related consoles. The main content area shows a list of users with columns for User name, Groups, Last activity, MFA, Password age, and Active key age. The users listed are aashu, ironman, and thor, all associated with the 'Avengers' group.

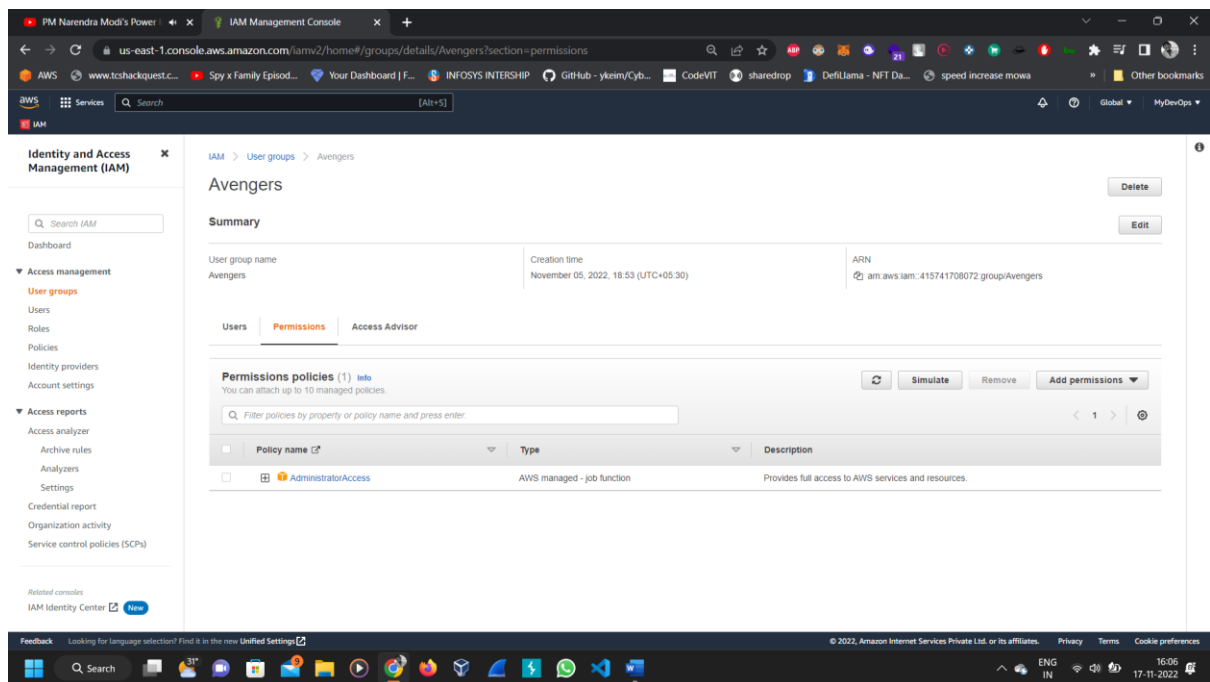
User name	Groups	Last activity	MFA	Password age	Active key age
aashu	Avengers	Never	None	Now	-
ironman	Avengers	36 minutes ago	None	11 days ago	-
thor	Avengers	Never	None	1 minute ago	-



The screenshot shows the AWS IAM Management Console 'Avengers' group details page. The left sidebar is the same as the previous screenshot. The main content area shows the 'Avengers' group summary, including the user group name, creation time, and ARN. The 'Users' tab is selected, showing a list of users with columns for User name, Groups, Last activity, and Creation time.

User name	Groups	Last activity	Creation time
aashu	1	None	1 minute ago
ironman	1	36 minutes ago	11 days ago
thor	1	None	2 minutes ago

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Assignment 3: -

Define a condition in policy for expiration like "DateGreaterThan":{"aws:CurrentTime":"2020-04-01T00:00:00Z"},"DateLessThan":{"aws:CurrentTime":"2020-06-30T23:59:59Z"} Define the span of 4 months as per your wish.

Ans: Getting some errors while configuring the JSON file for policy.

Assignment 3: -

Prepare 15 authentic MCQ questions related to IAM.

Ans:

1. what does IAM provides?

Ans: It provides the infrastructure necessary to control authentication and authorization for your account.

2. What are the actions can be done by the principle?

3. Full form of IAM?

4. What is the use of assigning roles in IAM?

5. What makes IAM so use full in big Organizations?

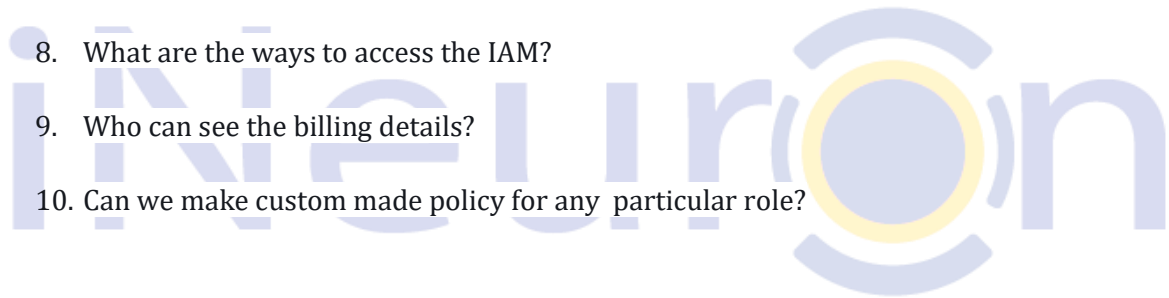
6. What is the security feature of IAM outside of organizations?

7. Who can see and edit IAM settings?

8. What are the ways to access the IAM?

9. Who can see the billing details?

10. Can we make custom made policy for any particular role?

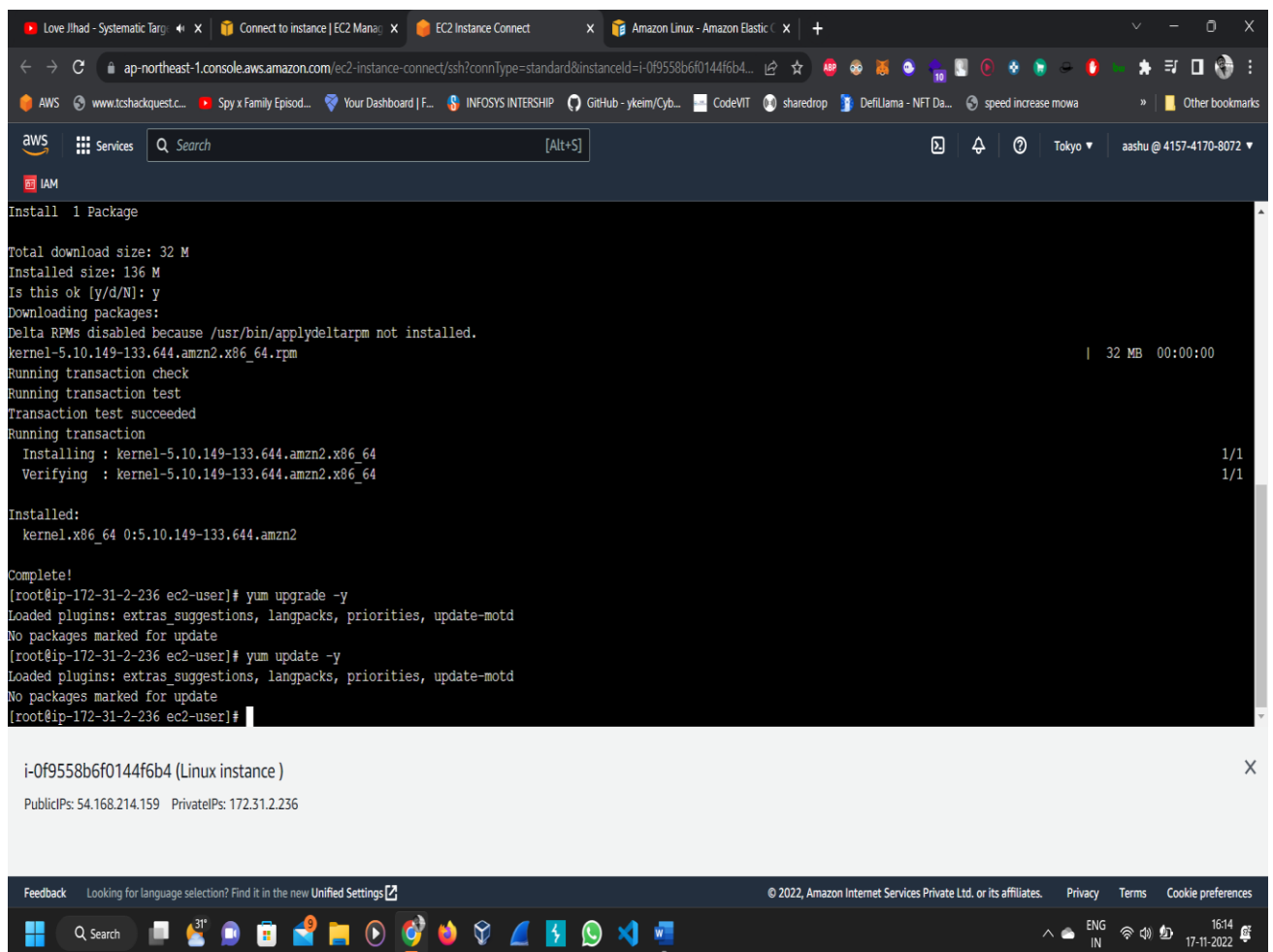


Assignment 4: -

Launch your Linux instance in Iam and update your machine.

Ans:

I have made a username with “aashu”, launch an amazon Linux and update my machine.



The screenshot shows a terminal window within the AWS Management Console. The terminal is connected to an Amazon Linux instance. The user is in the root shell at the IP address 172.31.2.236. The terminal output shows the installation of a package, followed by a system upgrade and update. The upgrade command is successful, and the update command also shows no packages marked for update. The terminal window is titled "i-0f9558b6f0144f6b4 (Linux instance)".

```
Install 1 Package
Total download size: 32 M
Installed size: 136 M
Is this ok [y/d/N]: y
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
kernel-5.10.149-133.644.amzn2.x86_64.rpm | 32 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : kernel-5.10.149-133.644.amzn2.x86_64 1/1
  Verifying  : kernel-5.10.149-133.644.amzn2.x86_64 1/1
Installed:
kernel.x86_64 0:5.10.149-133.644.amzn2
Complete!
[root@ip-172-31-2-236 ec2-user]# yum upgrade -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No packages marked for update
[root@ip-172-31-2-236 ec2-user]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No packages marked for update
[root@ip-172-31-2-236 ec2-user]#
```

i-0f9558b6f0144f6b4 (Linux instance)

PublicIPs: 54.168.214.159 PrivateIPs: 172.31.2.236