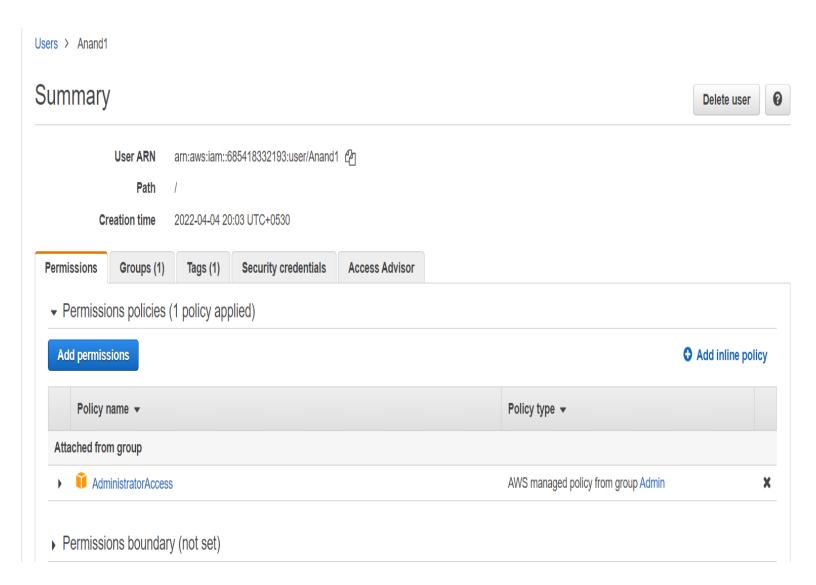
Name: Anand Kumar Gupta Email id: ananddkg99.9@gmail.com

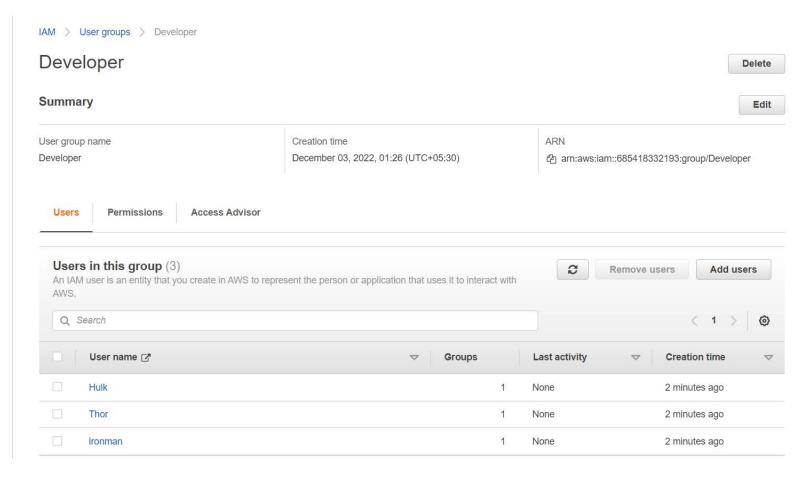
Assignment 3

Q1) Create an IAM user with username of your own wish and grant administrator policy.

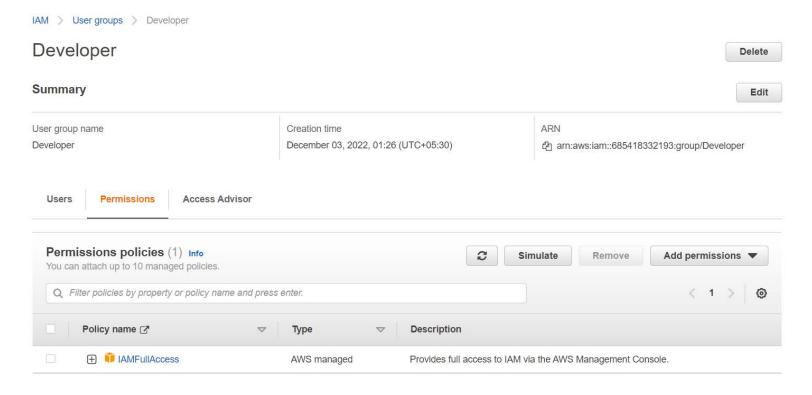


Here user is Anand1 and he is having admin access from group admin.

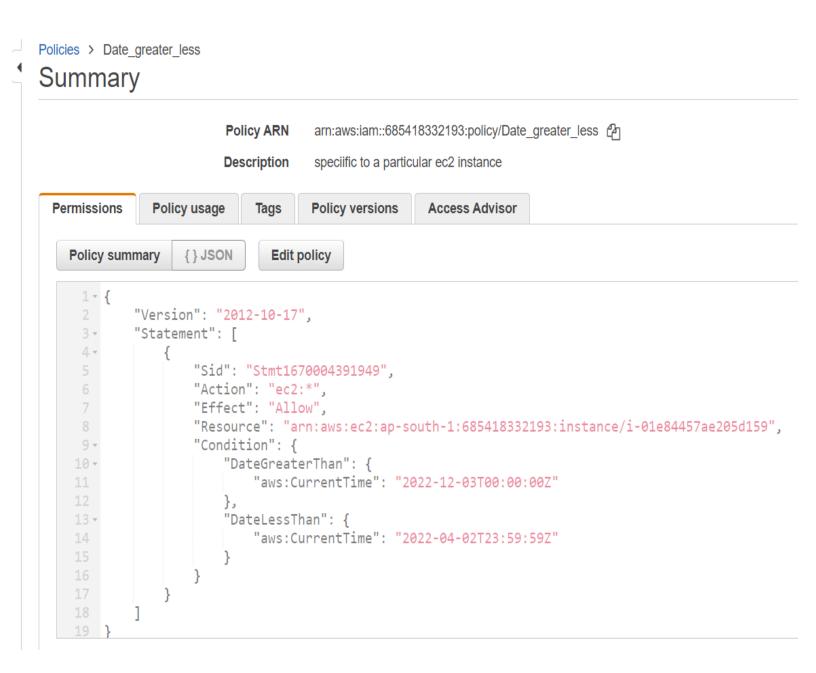
Q2) Hello students, in this assignment you need to prepare a developers team of avengers. Create 3 IAM users of avengers and assign them in developer's groups with IAM policy.



Here Developer grp is having IAMFullAccess policy attached.



Q3) 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



Here I have created the policy for particular ec2-instance for the period of 4 months i.e from DEC 2022 to APR 2023.

- Q4) Prepare 15 MCQ questions related to IAM.
- 1) What should we do to increase the root account security?
- a) Enable MFA (multi-factor authentication)
- b) use AWS only through CLI
- 2) IAM stands for?
- a) Identity and access Manager
- b) Identity and access Management
- 3) Which of the following is an IAM best practice?
- a) Do not enable MFA for easier access
- b) Do not use the root user account
- c) Share the credentials so a friend can perform a task for you
- 4) Which answer is INCORRECT regarding IAM Users?
- a) IAM users can belong to multiple groups
- b) IAM users don't belong to a group
- c) IAM users access AWS with root account credentials
- 5) How can we restrict the access of an IAM user?
- a) Using IAM Roles
- b) Using permissions boundary
- c) Using IAM policy
- 6) What is a proper definition of IAM Roles?
- a) A password policy
- b) An IAM entity that defines a set of permissions for making AWS service requests, that will be used by AWS services
- c) IAM users in multiple groups
- 7) IAM is a global service?
- a) True b) False
- 8) What are IAM Policies?
- a) JSON documents to define users, groups or roles permission
- b) Rules to set up a password for IAM Users
- 9) Under the shared responsibility model, what is the customer responsible for in IAM?
- a) Infrastructure security
- b) Compliance validations
- c) Assigning users proper IAM policies
- 10) Which principle should you apply regarding IAM Permissions?
- a) Grant most privilege
- b) Grant least privilege
- 11) Which of the following statements is TRUE regarding CLI?
- a) Can interact with AWS using commands in command-line shell
- b) Can interact with AWS programmatically

- 12) Which of the following is an IAM Security Tool?
- a) IAM services report
- b) IAM credentials report
- c) IAM Root account Manager
- 13) Which of the following statements is TRUE regarding SDK?
- a) Can interact with AWS using commands in command-line shell
- b) Can interact with AWS programmatically
- 14) IAM is free service?
- a) True b) False
- 15) Which one of the following is not part of IAM policy structure?
- a)sid b)statement c)version d)pid
- Q4) Launch your linux instance in AWS and update your machine.

