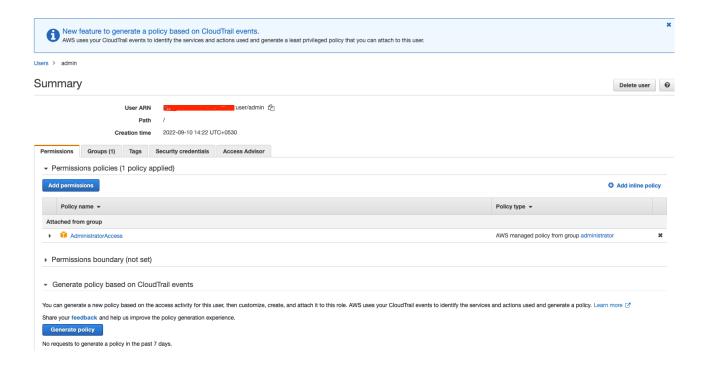
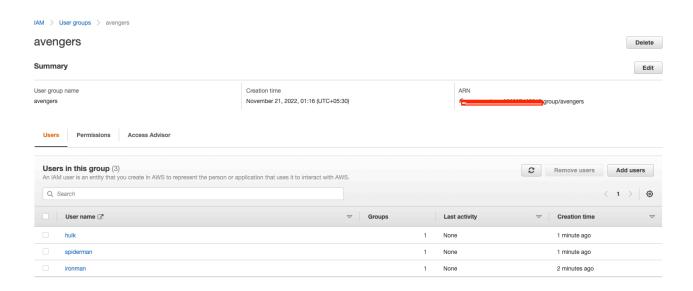
## **Assignment sheet for IAM**

**Assignment 1**:- Create an IAM user with username of your own wish and grant administrator policy.



**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 with IAM policy.



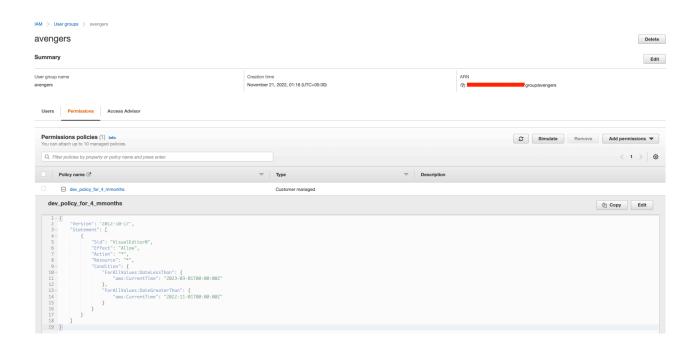
## Assignment 3:- Define a condition in policy for expiration like

"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



**Assignment 4**:- Prepare 15 authentic MCQ questions related to IAM.

- 1. What is the cost per user creation in aws IAM?
  - a. \$ 0.0001 / month
  - b. \$ 0.0002 / month
  - c. \$ 0.00005 / month
  - d. No charge, it's free.
- 2. True or false: An explicit Allow in IAM precedes over an explicit deny.
  - a. True
  - b. False
- 3. True or False: Sid in IAM policy is required field.
  - a. True
  - b. False
- 4. True or False: Condition in IAM policy is optional.
  - a. True
  - b. False

- 5. You're part of iam developer group with user testdev, new member joins your project to assist you in your role/job, how can we ensure new member also gets all the access that you already have to perform his work well?
  - a. Ask new member to use your user credentials to perform work since you both are working on same project and on same goal.
  - b. Since you can't share your credentials for security reasons, you can login into new member machine with your credentials for temporary basis until he get's own credentials.
  - c. Create new user in aws and assign inline permissions same as in policy to get same access & ask new member to use that new user credentials.
  - d. Create new user in aws and add it to your developers group & ask new member to use that new user credentials.
- 6. Which is not IAM JSON Policy Element?
  - a. NotResource
  - b. NotPrincipal
  - c. NotAction
  - d. NotEffect
- 7. Which is not IAM JSON Policy supported data types?
  - a. Null
  - b. List
  - c. IpAddress
  - d. Double

- 8. True or False: If a permissions boundary, Organizations SCP, or session policy is present, it might override the allow with an implicit deny.
  - a. True
  - b. False
- 9. A non-root user in aws wanted to view the billing details, is it possible in aws?
  - a. Yes.
  - b. No.
- 10. True or False: Any user by default can manage tags in aws. a. True.
  - b. False.
- 11. A user in AWS wanted to use production EC2 instance for 5 minutes, which is the best practice which user can do?
  - a. Attach new inline policy with expiration
  - b. Add user to the group which already has the access to production EC2 instance and once not required remove the user from that group.
  - c. Create new user with production EC2 access policy & use new user credentials and once user not required delete it.
  - d. Use AWS STS to get temporary credentials.
- 12. True or False: To add permissions to users, groups, and roles, it is easier to write policies yourself than to use AWS managed policies.
  - a. True
  - b. False

- 13. True or False: If we lost secret access key, then we can get it from the console.
  - a. True
  - **b.** False
- 14. How many access key per IAM user can be assigned?
  - a. 1
  - **b. 2**
  - c. 3
  - d. no limit, any number can be assigned.
- 15. By default, how many users you can create in a AWS account?
  - a. 500
  - **b.** 5000
  - c. 50000
  - d. 50

**Assignment 5**:- Launch your linux instance in IAM and update your machine.

