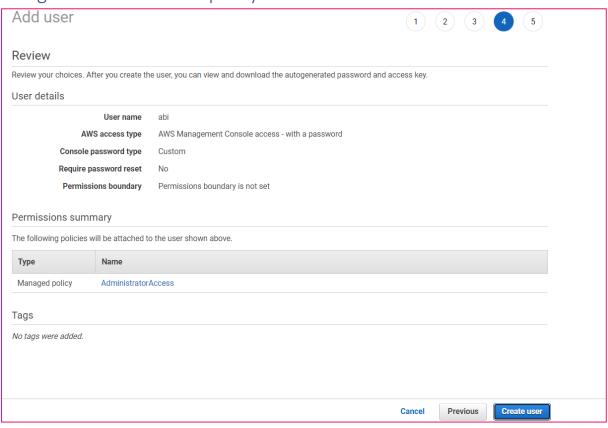
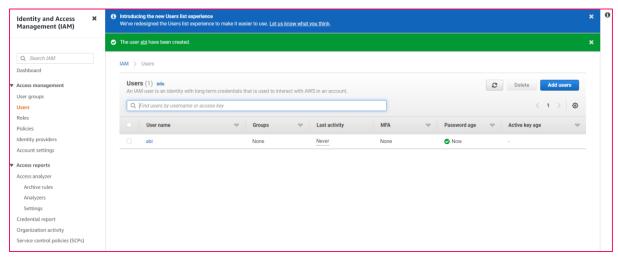
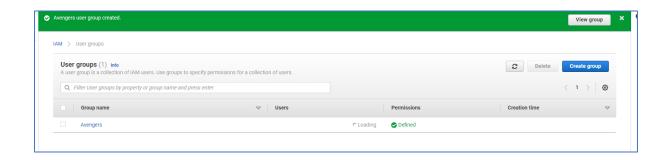
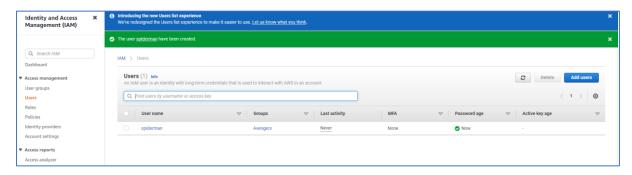
Assignment 1 :- Create an IAM user with username of your own wish and grant administrator policy.

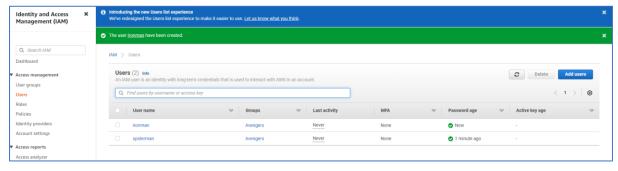


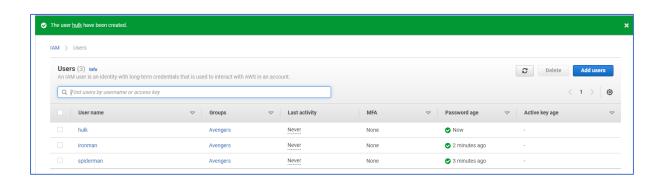


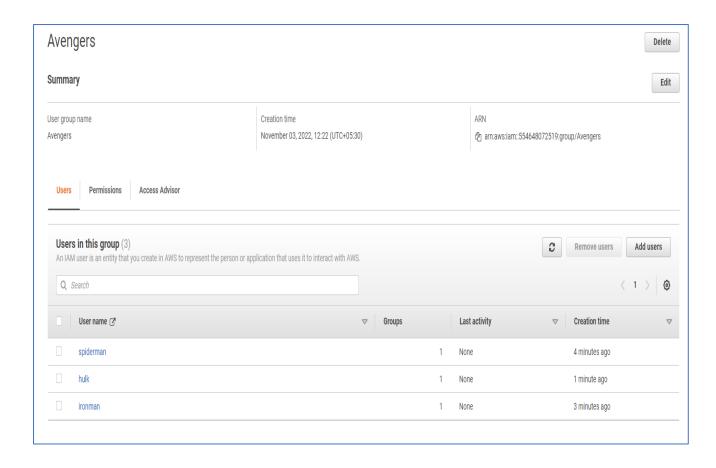
Assignment 2:- Hello students, in this assignment you need to prepare a developers team of avengers. —
Create 3 IAM users of avengers and assign them in developer's groups with IAM policy.





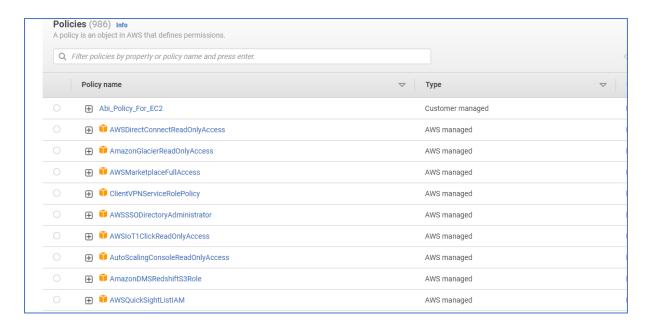






## Assignment 3: - Define a condition in policy for expiration like

```
"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.

## AWS Identity and Access Management MCQs

- 1) Name the service that is used to provide access control to aws
  - a) EC2
  - b) IAM
  - c) RBS
- 2) What will be the charges for using IAM
  - a) IAM is offered at no additional charge
  - b) Its charged based on usage
  - c) Its charged based on the number of users created
- 3) When you provide permission using IAM, you should always
  - a) Provide the maximum permission so that its flexible for the user to work in aws
  - b) Do not provide any permission
  - c) Provide only the least permission required to perform the task
  - d) Provide administrator permission to users
- 4) What is used to generate fine grained IAM policy based on user's use of aws?
  - a) IAM Access Analyzer
  - b) IAM Access Generator
  - c) AWS Access Analyzer
  - d) AWS Access Generator

- 5) Which service is used to assign/manage access to multiple AWS accounts, SAML enabled cloud applications(Salesforce, Microsoft 365, and Box), and custom-built in-house applications from a central place.
  - a) IAM Identity Center
  - b) CloudTrail
  - c) CloudWatch
  - d) AWS Access Generator
- 6) What should you use if you want to grant access to your AWS accounts by relying on short-term credentials
  - a) IAM Policies
  - b) IAM Users
  - c) Groups
  - d) IAM roles
- 7) What are the identities with long-term credentials
  - a) IAM roles
  - b) IAM Policies
  - c) IAM Users
  - d) Groups
- 8) What are the various Policy types available
  - a) Identity based, Roles based, Permission boundary, Organization SCP(Service Control Policy), Access Control List(ACL), Session Policy
  - b) Identity based, Resource based, Permission boundary, Organization SCP(Service Control Policy), Access Control List(ACL), Session Policy
  - c) Users, Roles, Groups, Policies
- 9) Which policy is created and administered by AWS and cover common use cases
  - a) Customer managed policies
  - b) AWS created policies
  - c) AWS managed policies
- 10) If you create your own standalone policy in aws, it is a type of
  - a) AWS managed policies
  - b) Customer managed policies
  - c) AWS created policies
  - d) Customer created policy
- 11) Which policy is embedded in an IAM identity(user, group, role) and inherent to the identity
  - a) Inline policy
  - b) Inherent policy
  - c) Resource based policy

- 12) Which policy will you use if you need to provide administrative permissions so as to ensure they are not attached to other roles
  - a) Inline policy
  - b) Inherent policy
  - c) Resource based policy
- 13) If you can define permission based on tags, what is the type of access control?
  - a) Attribute-based access control (ABAC)
  - b) Tag-based access control (TBAC)
  - c) Role-based access control (RBAC)
- 14) Which Policy allow or deny access to AWS services of Organizations member accounts or groups of accounts within an organizational unit
  - a) Standard control policies(SCP)
  - b) Organizational control policies(OCP)
  - c) Service control policies(SCP)
- 15) Which tool is used to test and troubleshoot identity-based and resource-based policies, IAM permissions boundaries, and SCPs?
  - a) IAM policy simulator
  - b) IAM policy troubleshooter
  - c) IAM policy tester

## **Assignment 4**:- Launch your linux instance in IAM and update your machine.