**Assignment Interview question**

1. What is the need of IAM?

IAM expanded as Identity and Access Management in AWS, It provides the authentication and authorization of AWS services.

The root user can able to add any number of IAM users in AWS.

It manages the permission of the system to provide only required access to your workforce.

With IAM you can have access to the system with certain conditions defined in the policy by the root user.

1. If i am a non tech person, how will you define policies in IAM.

In order to define a non tech person how policies in IAM works ,policies is nothing but access given to the particular person.

For eg: Consider a hotel with chef and waiter, we can define the policy like only chef(IAM user) can able to access the raw material inventory.

Waiter can be defined with the policy of accessing kitchen and customer.

If we guess why policies introduced means we can restrict waiter accessing kitchen and customer only he cant access raw material inventory will avoid unnecessary problems.

1. Please define a scenario in which you would like to create your on own IAM policy.

We might need to define our own IAM policy in order to give permission to the IAM user according to their job function.

It will also restrict the unwanted conflict and execution of the wrong operation by the user who doesn’t have to do anything with the particular module or functionality.

For eg: The user who has to work only with the S3 bucket doesn’t need permission to create an EC2 instance, this can be done by defining our own IAM policy.

1. Why do we prefer not to use a root account?

A root account can consider sudo in Linux, it has all the access to the AWS console using a root account without good knowledge about AWS might trouble you more.

We can’t have restrictions over the user if everyone uses the same root account any user can change anything or misuse the service for one’s benefit.

1. How to revoke policy for an IAM user?

We can revoke the policy for the IAM user using the root account,

Sign in as root user and select IAM from services , click on user that you want to revoke the policy and detach the policy you wish to revoke from the user.

1. Can a single IAM user be a part of multiple policy via group and root? how?

A single user can be in part of multiple group, which results in acquiring all the policies attached to that particular group.

By using root account we can attach any policy to the particular IAM user.

we cant have nested group in AWS.