Assignment Interview question Note: - Please prepare the answer of these questions in brief: - (in your own words)

1. **What is the need of IAM?**

Answer- IAM is required to create users and groups so that we can avoid using root account and we can create users and groups for individuals or teams throw which we everyone can access the AWS services. IAM is very much important in terms of security because IAM provides the facility to grant or restrict the access as per the particular's requirements.

2. **If I am a non tech person, how will you define policies in IAM.**

Answer- For non tech person we can define policies with there department name and can apply the policies.

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

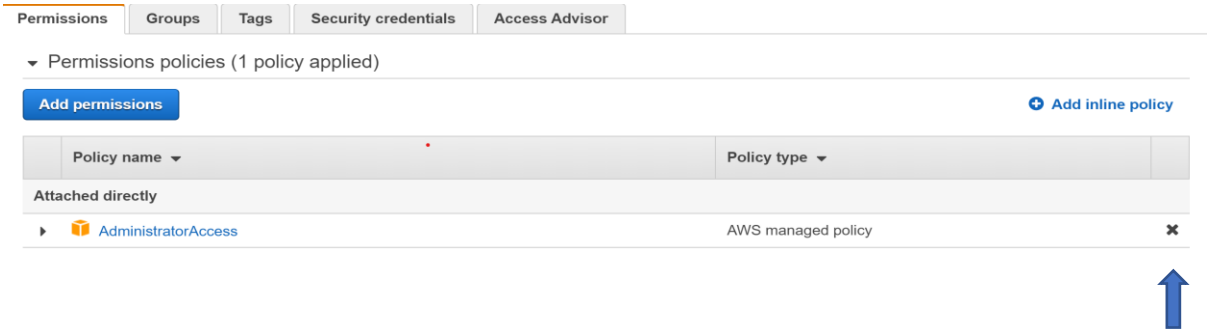
Answer- Let's say I am working as a DevOps engineer in one of the companies and I need to use some different policy which AWS doesn't provide then I will create a custom policy as per my requirement. e.g., I have a department and they want to access there own share folder and those users who are part of that department can access the files then I will create a group and I will add all the users in that group and now I will create a custom policy and will apply that policy on the group so that every one who are added in the group can access the share folder.

4. **Why do we prefer not using root account?**

Answer- Root account is the parent account of AWS console page which can be dangerous some time because we can do anything with root account. We can delete, start, modify any services which can lead us to a huge billing and sometime a running service can be terminated unknowingly. That's why we use IAM service so that we can create users and provide the required access only to avoid any loss.

5. **How to revoke policy for an IAM user?**

Answer- Simply we can go to IAM service and then we have to go users' option on the left side. Once we will click on users then we will see all the users created by us. Now if we want to revoke policy from any one of the users then we will have to click on user and then there will be a policy option under permission tab, now simply we can click on x icon on right side of the policy name and can detach the policy as shown in picture below.



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

Answer- Yes, we can single user in multiple group and whatever policy is attached to those groups, this user will also have that policy access.