# Practical – 5

Aim:Study and implementation of identity management

**Objectives:** From this experiment, the student will be able to,
- Understand concepts of virtualization and to use cloud as Infrastructure as a services.
- Learn the technique and its complexity
- Understand the importance of this technique from application point of view

Procedure:

1. Go to aws.amazon.com, click on "My Account"

2. Select "AWS management console" and click on it
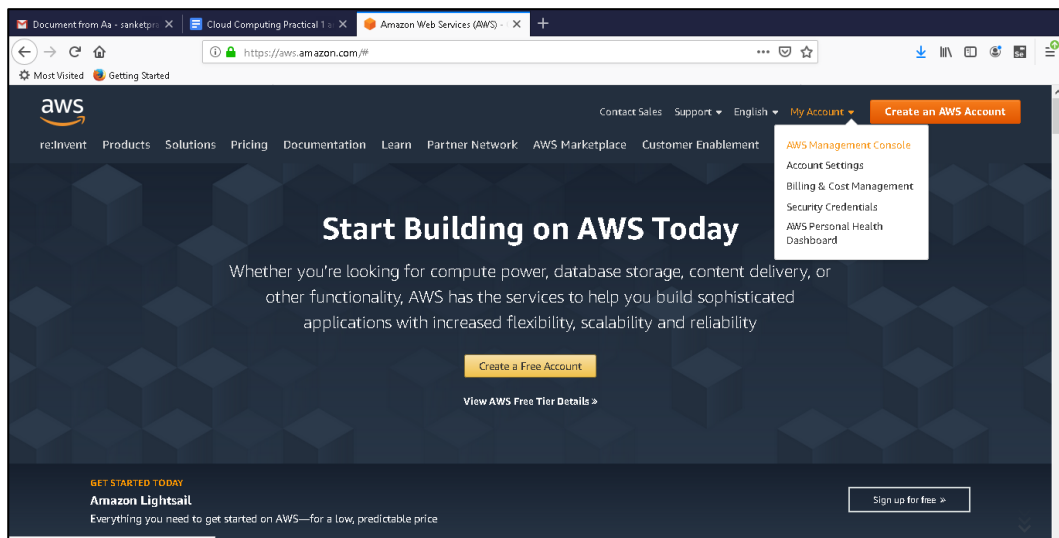
3. Click on "Create a new AWS account" button and complete the registration
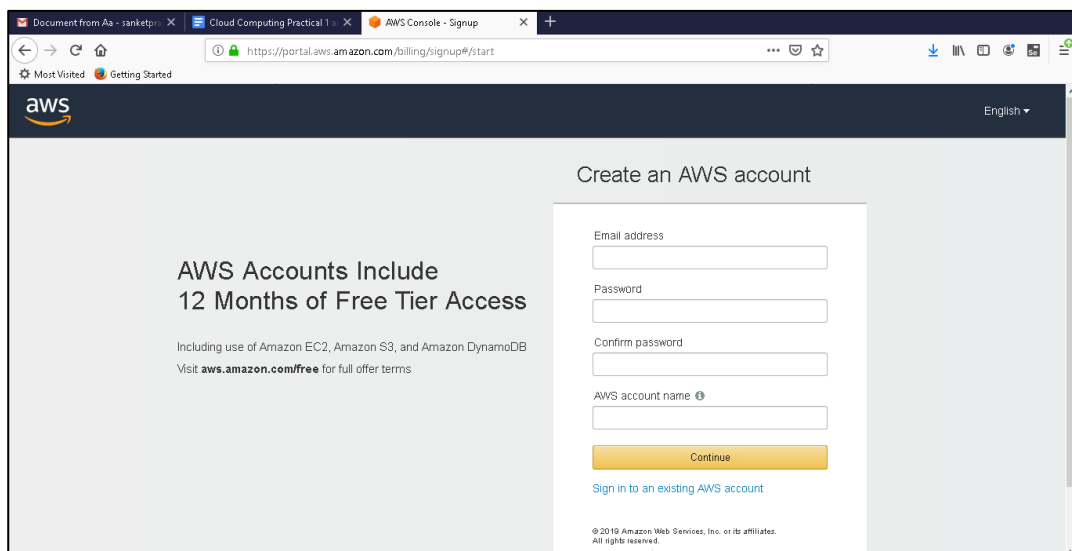
4. Sign out from the website. Again go to "My Account", select "AWS management console".

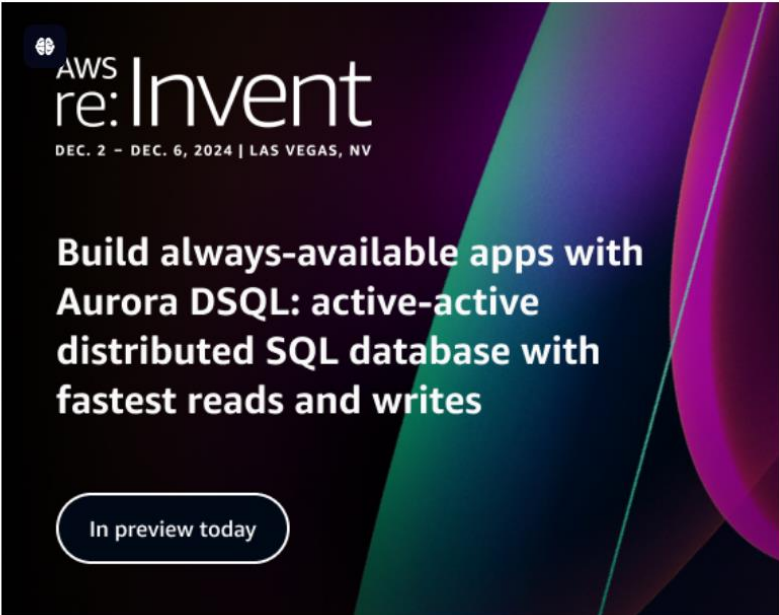5. Sign in again by entering the user name and valid password.

6. Now you are logged in as a Root User. All AWS project can be viewed by you.

7. **Expand All Services.** Select **Identity and Access Management (IAM)** from Security, Identity, & Compliance.
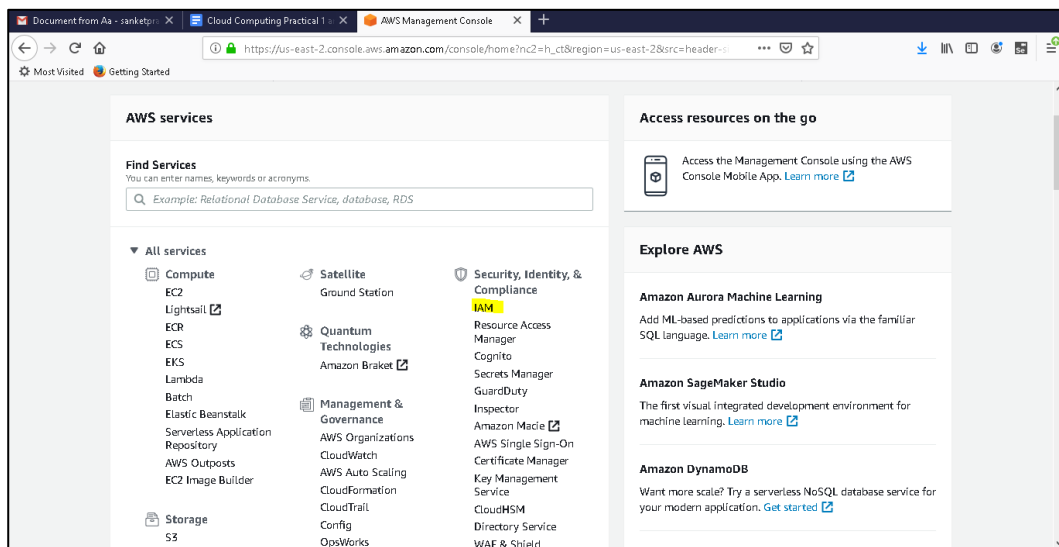
8. Click on "Users" from dashboard. It will take you to "Create New Users"

9. Click on create new user button, enter the username. Check both checkboxes (**Programmatic access and AWS Management Console access)**

Specify user details

User details

User name

rishi

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☐ Provide user access to the AWS Management Console - *optional*
If you're providing console access to a person, it's a best practice 🔗 to manage their access in IAM Identity Center.

ⓘ If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user.
Learn more 🔗

Cancel   Next

10. **From** Console password select Custom password.

Console password*   ○ Autogenerated password
                    ● Custom password

                    [   ]

                    ☐ Show password

11. Follow wizard to create user.

12. Now click on Groups and then click on 'Create new group'.

13. Give the group name.

Create user group

Name the group

User group name
Enter a meaningful name to identify this group.

cloud

Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.

Add users to the group - *Optional* (1/1) **Info**

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

🔍 Search

< 1 > ⚙

☑	User name 🔗	▲	Groups	Last activity ▽	Creation time ▽
☑	rishi		0	None	1 minute ago

14. Along with policies

Attach Policy

Select one or more policies to attach. Each group can have up to 10 policies attached.

Filter: Policy Type ▾   Search   Showing 505 results

		Policy Name ⇕	Attached Entities ⇕	Creation Time ⇕
☑	📦	IAMUserChangePassword	3	2016-11-15 05:55 UTC+...
☑	📦	AdministratorAccess	1	2015-02-07 00:09 UTC+...
☐	📦	AlexaForBusinessDeviceSetup	0	2017-11-30 22:17 UTC+...
☐	📦	AlexaForBusinessFullAccess	0	2017-11-30 22:17 UTC+...
☐	📦	AlexaForBusinessGatewayExecution	0	2017-11-30 22:17 UTC+...
☐	📦	AlexaForBusinessPolyDelegatedAccessPolicy	0	2019-10-17 01:18 UTC+...
☐	📦	AlexaForBusinessReadOnlyAccess	0	2017-11-30 22:17 UTC+...

15. Now log out as the admin and try to log in as the user you created.

IAM user sign in ⓘ

Account ID (12 digits) or account alias

148761647114

IAM username

rishi

Password

•••••••••••

☐ Show Password   Having trouble?

Sign in

Sign in using root user email

Create a new AWS account

16. It will ask you to change the password which is been set by administrator.

AWS account 148761647114

IAM user name rishi

Old password ••••••••••••

New password ••••••••••••

Retype new password ••••••••••••

Confirm password change

Sign in using root user email

17. You will be redirected to home screen.