- AWS Cloud Practitioner exam requires skills and knowledge to effectively demonstrate and overall understanding of the AWS Cloud, independent of specific technical roles. The certification exam can be taken at the test center or through online proctored exam.
- Cloud computing is the on demand delivery of IIT resources over the Internet with pay as you go price. Instead of buying online and maintaining physical data centers and servers you can access the resources and services as needed from a cloud provider like Amazon Web Services.

- Different types of cloud service providers are :- AWS,GCP, IBM Cloud etc.
- AWS offers a wide range of services for every business whether it is small or large, starting with basic elements, like compute, storage, and network security tools, through complex solutions like blockchain, machine learning, or artificial intelligence, and robot development platforms, all the way through very specialized tool sets, like video production management systems, and orbital satellites you can rent by the minute.
- What is Client Server Model?
  - In computing, a client can be a web browser or a desktop application that interact or make request to computer servers a server can be services such as Amazon EC2 a type of virtual server.

- There are three types of cloud computing deployment models:
  - Cloud-Based Deployment
  - On-Premises Deployment
  - Hybrid Deployment
- Some Benefits of using cloud computing:
  - only pay for the computing resources you use instead of investing heavily in data centers and servers before you know how you are going to use them.
  - It gives the flexibility to focus less on running and maintaining data centers and focus more on the applications and customers.
  - Increase the speed and agility because we can you quickly develop and deploy applications.

- We can get global and online in minutes.

➢ What is Devops ?

- Devops is the practice of operations and development engineers practicing together in the enter service life cycle from design through the development process to production support.

➢ The idea behind using the devops is to reduce the latency that arises during the software development life cycle such as when a developer builts an application and sends it for testing then the testing team does all the testing and may return with some errors. All of this process can take some days or more. Which can lead to loss in business. Devops introduces a new practice where these development and operations team work together allowing the flexibility to develop and test simultaneously and make the changes and improvise accordingly. which saves a lot of time.