Introduction to Cloud & AWS

1. Introduction to Cloud Computing

- **What is Cloud Computing?**
  - Definition and key concepts
  - Benefits of cloud computing (scalability, flexibility, cost-efficiency, disaster recovery)
  - Virtualization - Definition and role in cloud computing
- **Types of Cloud Computing Services**
  - Infrastructure as a Service (IaaS)
  - Platform as a Service (PaaS)
  - Software as a Service (SaaS)
- **Deployment Models**
  - Public cloud
  - Private cloud
  - Hybrid cloud

2. Overview of Amazon Web Services (AWS)

- **Introduction to AWS**
  - What is AWS?
  - AWS regions and availability zones
  - Concept of VPC (Virtual Private Cloud)
  - Core AWS services - Amazon EC2 (Elastic Compute Cloud), Amazon S3 (Simple Storage Service)