**Cloud Computing - FundamentalsCloud Computing - Fundamentals**

1. **What is cloud computing?**

Ans: Cloud computing is a model of delivering computing services over the internet, where resources such as servers, storage, databases, networking, software, and analytics are provided on-demand by a third-party provider.

1. **Describe cloud computing deploy model.**

Ans: Cloud computing deployment models describe the way cloud infrastructure is organized and controlled, catering to different organizational needs and cost structures.

**Public Cloud** In a public cloud, the infrastructure is accessible to everyone, and the cloud service provider owns and operates it.

**Private Cloud** A private cloud is a single-tenant environment, where the infrastructure is dedicated to a single organization.

**Hybrid Cloud** A hybrid cloud combines public and private cloud environments, allowing organizations to integrate the benefits of both.Community Cloud A **community cloud** is a multi-tenant environment, where the infrastructure is shared among multiple organizations with similar interests or goals.

**3-What are components of cloud computing?**

Ans:Client Infrastructure, Applications, Services, Management, Network.

**4-Cloud computing advantage and disadvantage of Cloud Computing?**

Ans: Advantages: Cost Savings, Improved Collaboration, Reduced Maintenance, Global Accessibility, Increased Efficiency, Security, Flexibility, Scalability.

Disadvantages: Risk Assessment, Poor Customer Support, Lack of Customization Bandwidth Limitations,, Downtime, Data Security and Privacy Threats, Internet Dependence, Limited Control, Vendor Mismatches.