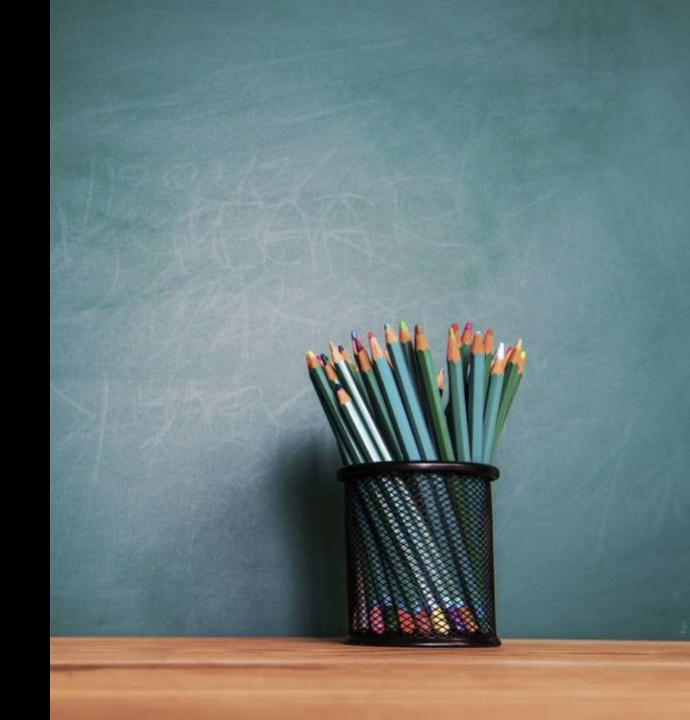
INTRODUCTION TO COMPUTER NETWORKS

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WHAT IS COMPUTER NETWORK?

- A computer network is a set of nodes connected by communication links.
- Nodes are the components, capable of sending and receiving data. Examples include computer servers, printers, security cameras, switches, bridges, etc.

- Communication Links are used for resource sharing.
- Communication Links are two types.
- Wired(Cable)
- Wireless(Air)

BASIC CHARACTERISTICS OF COMPUTER NETWORK

- ★ Fault Tolerance
- ★ Scalability
- ★ Quality of Service (QoS)
- ★ Security

FAULT TOLERANCE

The ability to:

- Continue working despite failures
- 2. Ensure no loss of service

SCALABILITY

The ability to:

- Grow based on the needs
- 2. Have good performance after growth

QUALITY OF SERVICE (QOS)

The ability to:

- 1. Set Priorities
- 2. Manage data traffic to reduce data loss, delay etc.,

SECURITY

The ability to prevent:

- ★ Unauthorized access
- ★ Misuse
- ★ Forgery

The ability to provide:

- ★ Confidentiality
- ★ Integrity
- ★ Availability