- In connection oriented service, the receiver returns the acknowledgement to the sender
- Authentication is needed in the connection oriented service
- Connection oriented service uses TCP (Transmission Control Protocol) protocol
- Connection oriented services are:
    1 Reliable message stream
        Example: Sequence of pages
    2 Reliable byte stream
        Example: Remote login
    3 Unreliable connection
        Example: Digitized voice

Connectionless Service

- Connectionless service is modeled after the postal system
- In connectionless service, each message (letter) carries the full destination address, and each message is routed through the system independent of all the others
- When two messages are sent to the same destination, the first one sent will be the first one to arrive
- In connectionless service, the data is transferred in one direction from source to destination without checking that destination is still there or not or it is prepared to accept the message or not
- Authentication is not needed in the connectionless service
- Connectionless service is unreliable network service
- There is loss of data in connectionless service
- Telegram service is an example for connectionless service
- In connectionless service, the receiver does not send any acknowledgement to the sender
- Implementation of connectionless service requires a datagram subnet
- Connectionless service is also called as datagram service
- Connectionless service uses UDP (User Datagram Protocol) protocol
- Connectionless services are:
    1 Unreliable datagram