

- Example: Electronic junk-mail
- 2 Acknowledged datagram
 - Example: Registered mail
- 3 Request-reply
 - Example: database query

Connection-oriented	Service	Example
	Reliable message stream	Sequence of pages
	Reliable byte stream	Remote login
Connection-less	Unreliable connection	Digitized voice
	Unreliable datagram	Electronic junk mail
	Acknowledged datagram	Registered mail
	Request-reply	Database query

Table: Six different types of service in the network

Difference between Connection oriented and Connectionless services

<u>Connection oriented service</u>	<u>Connectionless service</u>
1 Connection oriented service is modeled after the telephone system	1 Connectionless service is modeled after the postal system
2 Connection oriented service is more reliable network service	2 Connectionless service is an unreliable network service
3 There is no loss of data in connection oriented service	3 There is loss of data in connectionless service
4 Handshaking process occurs in connection oriented service	4 Handshaking process does not occur in connectionless service
5 In connection oriented service, the receiver returns an acknowledgement to the sender	5 In connectionless service, the receiver does not return an acknowledgement to the sender
6 In connection oriented service, the user first establishes a connection before starting the communication. When	6 In connectionless service, each message (letter) carries the full destination address,