Example: Electronic junk-mail

2 Acknowledged datagram

Example: Registered mail

3 Request-reply

Example: database query

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

Connection-oriented (Reliable message stream, Reliable byte stream, Unreliable connection)

Connection-less (Unreliable datagram, Acknowledged datagram, Request-reply)

Table: Six different types of service in the network

Difference between Connection oriented and Connectionless services

Connection oriented service	Connectionless service
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,