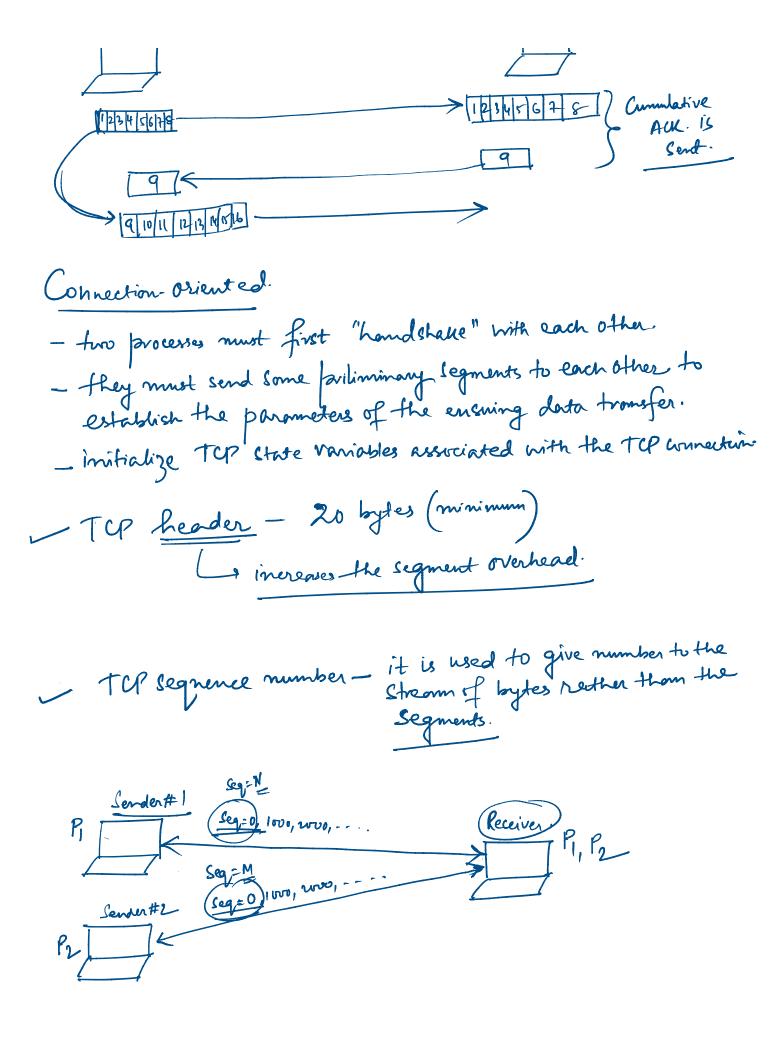
Module 3: Transport Layer - 2 Friday, February 11, 2022 10:53 AM
- UDP header - (8 bytes) (64 bits)
Senders site Source port number / 16-bit words
Destination port number Added and 1's Checksum
Cognent.
Adds all four entities Destination port# Length.
else, at least one bit position is flipped.
Limitations of UDP - Parket loss. (no connection establishment prior to data delivery) - Parket loss. (no connection establishment prior to data delivery)
- Out-of-order delivery (Since the segments follow different paths to the destination)
- Packet loss. (no connection establishment prior to according) - But-of-order delivery (since the segments follow different paths to the destination) - Evror detection is unreliable to some extend and no error recovery is supported.
_ 1s supported. _ No congestimentrol — creates a cascading effect on network _ performance.
Sender.



- TCP Connections Randomly throse the initial segnence number! Minimizes the possibility that a segment still present in the network from another connection between two hosts is mistaken. Receiver. Timer. Trade-off Shorter timeout! nure number of retransmissions. Longer timeout: more delay at the Sender Fite. DevRTT = (1-B). DevRTT + B. Sample RTT - Estimated RTT to Sample RTT - Estimated B=0.125 To give less weightage to previous RTTs.