- Q1. > Explain the transaction oriented TCP.
- Q 2.> Explain Mobile TCP. How does a supervisory host send a TCP packet to mobile node and also to fixed TCP connection.
 - Al.)
 Normal TCP uses a 3-way hand shake to establish the connection.
 - ~ web services require reliable connection and it needs it quickly.
 - ~ But braditional TCP takes up bookmuch time.
 - Transaction TCP (T/TCP) can combine packets.

 for convetion establishment packets. as well

 as connection reless packets.
 - ~ This reduces the overhead of cornction setup & release as in Standard TCP.
 - a 16 is faster than TCP and delivery reliability is comparable to that of TCP.

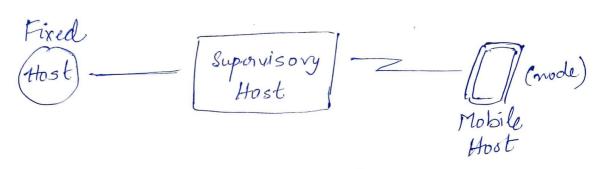
- ~On the downside, trajer changes (mostly incomptible & breaking) are requied - which are not transparent.
- ~ There are multiple security issues related to the same.
 - ~ These are the strong nesons for not ado widespread rejection of TITCP.

A2) Mobile-TCP (or MIT CP)

- The M-TCP's goal is to prent the sender window from shrinking if bit errors or disconnection cause problem.
- ~ It improves overall throughput, to lower delay and maintain end to end semantices of TCP.
- ~ This will ensure a more efficient hardover;
 - ~ It splist the TCP concetion into two parts.
- An unmodified TCP is used on the Stendard host supervisory Most (5H) conjuction

while an optimized TCP is used on the supervisory.

host to mobile host connection.



- ~ The supervisory host is responsible for exchanging data between both parts.
 - ~ Sichle it assume relatively low bit error rate it does not perform chacking or retransmission of data via supervisory a host.
 - ~ The SH (supervisory host) montors all packets sent to the MH (mobile host) and ACKs (Aknowledgements) returnt from the mobile host.
 - ~ If supervisory host down not recieve ACKs

 it blocks the sender by setting the window

 (fixed Host)

 size to 0.
 - ~ Once the connection is detected on MH side the window is Greset and the find node can transmit on neuve data at full speed.

~ This is how a supervisory hosts seas TCP paket to mobile mod and back, fixed mode. (It more aftern does the monitoring part between them).