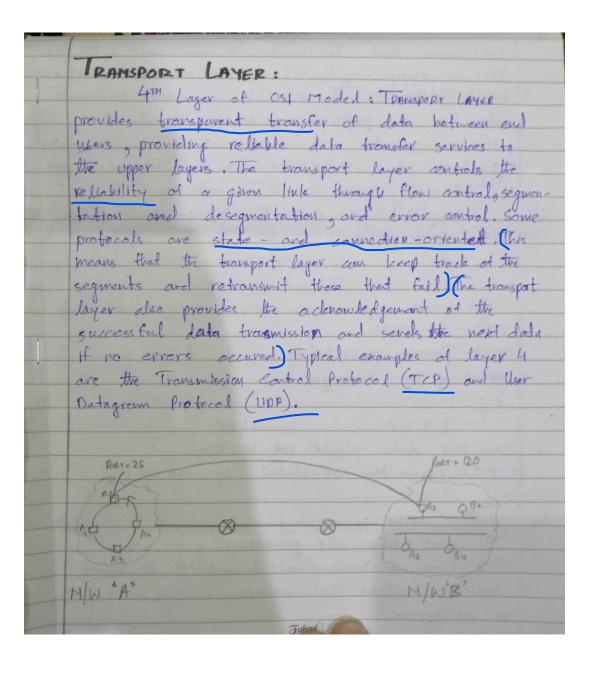


to transmit data from a particular application to Bi in a particular application and don't want to our in any other applications to port delivery we use "Transport layer" In nemork layer we transmit data from one node to lanother node eg Ai -> Bi But there is not any reliability that we transmitted & 4 packets of from A, to B, so B, will seci the all 4 packets. of the data transmission. A, 4 Packet B. 4 PRUKETS In network layer we don't know that the data we transmitted from Ai to will be in the order when reciered to Bi or their Will not be any loss of Pata or will be a loss of data Teansport layer transmits data "in and without any loss on data and this is done and by (TCP) Transmission Control Protect S15253 Si: signal , Sz: Signal 2. Ss Signal 3

Transport layer also provides us "Error control" from checkum (node to node) if the sender chechsum matches the seciever chechsum so it will be no error. Transport layer also provides flow control and if the flow isnot controlled so it also control congession Transport layer divides thre data into Multiplexing and de multiplexing also provided by Transport layer. On Application layer it is possible many applications data is it will be multiplened by one Ar Az Az Ay and at transport layer they are de. particular application channel.



V	
-	Transport layer takes data from Application layer and con it
	transport layer tokes data from Application layer and possit
	0
1	RESPONSIBILITIES OF TRANSPORT LAYER:
1-	END TO END DILLUERRY OF THE DATA & PORT TO PORT DELINE
	Let assume that As monts to communicate with Bs.
	If a system applications which traverit date and
	to transmit data for example As wents to transit
	deta from a particular application to Bs in a
	particular application and don't want to my in any star
	applications of By so for this end to end or port
	to port delivery we use "Transport lager".
2	Transport layer gives the "reliability" of the
	data termenussion
	data trzynomissky Az Bz
	Transport layer use two wager protocols would
	Transact lower use two more explosely would
5 3	TCP & UDP
	TCP provider reliability and follow mosper de livery of message
	de living of message
-	eg.
	LIVE - LIVE
	Lose of data should not be there.
	TCP is connection orientated (e.g. Did tone)
2	ERROR CONTROL 8-
	Toward lover also evoldes Erver Country
	The Comment of the second of the second
	cheeleaun matches the recievers checkens so it will
	Chee town was the record
THE S	be no error sold

	Jak
	Shop and wait
4	FLOW CONTROL & (SW, Go Back God, SR)
	Transport layer also provides "flow control" means
-	set which speed souder sends messages to redever
	and size of mossage for this we use method
	as Adverticing the window? and if the flow isn't central
	so it also control congersion.
_	Season and the season
5.	TENTENTATION &-
	Transport layer divides these data into segments
nev.	and give it to Metwork layer.
+ 6	MULTIPLEXIMA & DEMULTIPLEXING 8-
	Multiplexing and demultiplexing also provided by
	Transport layer. On Application layer it is possible many
	application sending data so it will be multiplexed by one
	channel and at transport layer they are demulsiplant
	and recieved by their particular applications
	A ₂ \(\pi\) \(\pi\) \(\pi\) \(\pi\)
	A2 DA
	A3 D A3
1	An D An