

	() Page
	332
	i Kisi networking based afflication to aur =
ho	i Kisi nitworking bush with aug abblication
6	out number 60 pahale de Rise will break fort
R	out number 60 fahale de Kisi aun afflication out number 60 fahale de Kisi aun afflication out number hai ton TCP will reject that fort
ni	umber request.
1.0	C Cl land
P.	et number below 1500 Historied for Standard
0	et number below 1500 reserved for Smtb
1. pu	ublis explication. For example http. Etp. Smtp
D	ins etc.
	then next 32 bit for signing number mans >
2	then next 32 bit 100 232_1 after 2521, -
6	then next 32 bit for significations 232-1, - august signification counting start hogi kisi -
w	about de counting sure l'aprist aure
Ж	abas de como counting Start hoge kide - abas de como counting Start de highest aux andom number de, lowest de highest aux andom sumber de hum rough around
1 Y	igest de lowest to hum rough around
k	Couhate hai
1	and how how have
	Next 32 bit for Acknowledgement number.
	as I I descript number may contain any
11	de contrier acknowledgement
	may hot contracts of
	a Acknowled agent next 4 bit for THE
F	After Acknowledgensen
	After Acknowledgement next 4 bit for THL CTCP Header Length
-	Minimum Value of THL = 5 below THE Value = 5 Shows every.
	Minumum Yaite & Shows ower.
	byon THE Value = 2
	4x THI value.
	Origonal actual TCP Header = 12.
	· · · · · · · · · · · · · · · · · · ·
	ETIN PSH (a d bits)
	RST. URG
100	

URG: > (Ungent bit)

- · 9f Vug bût is 1, it Shows that this Segment causius most rugent data.
- burnally TCP data ki order dilivery karta. hai but agan rugent bit one hai kisi sigment ki toh woh wait nahi kariga ordering hone ki jaisehe aaya waishe afflication layer to dediga.

ACK bit: -

Ack bit = L Shows this signent carries acknowledgement and Ack = 0 Shows this signent carries no acknowledgement.

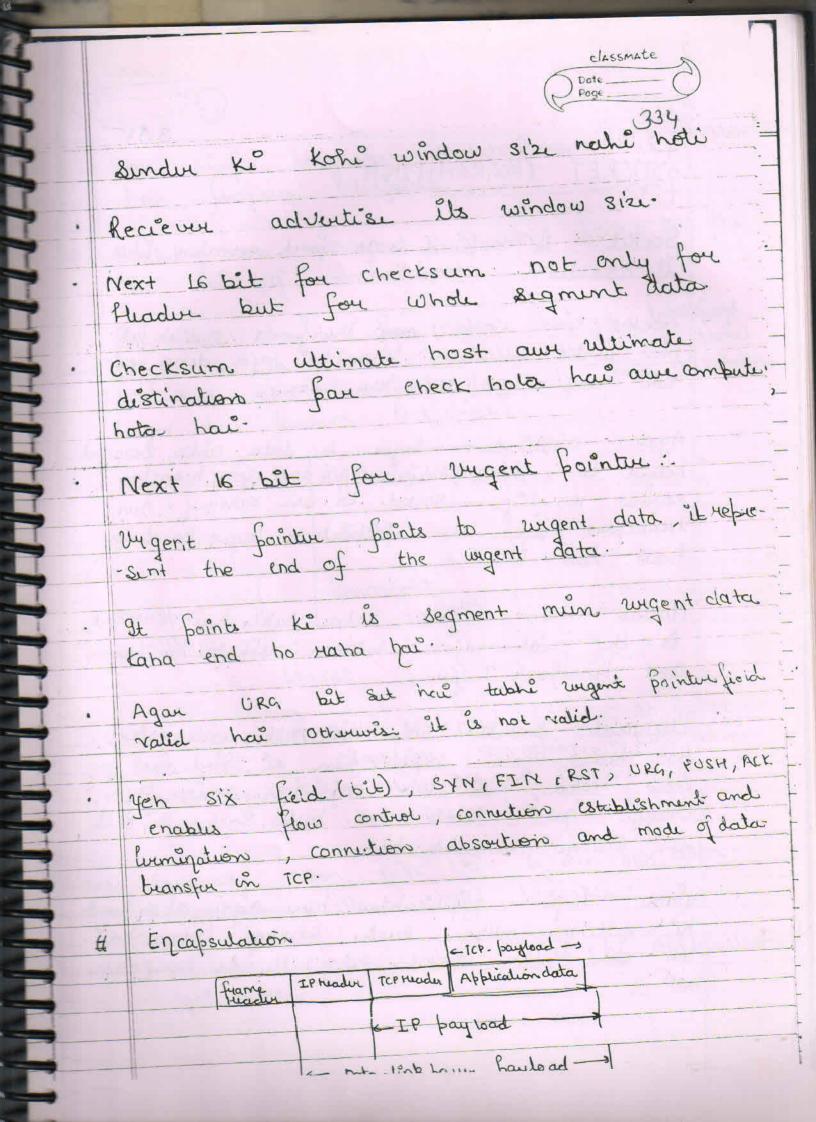
H PSH (Push)

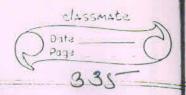
Push bit = 1 => don't buffen it immodially summit to afflication Layer.

Oug: What is the difference believen PSH bit &

Ans
Push mun jasehi orduring huhi washi afflication hayur ko deliver kan deg a but went min orduring hona ka bhi went nahi kanega.

Then next 16 bit for window size if it





SOCKET PROGRAMMING

Socket is defined as fort number blue if address.

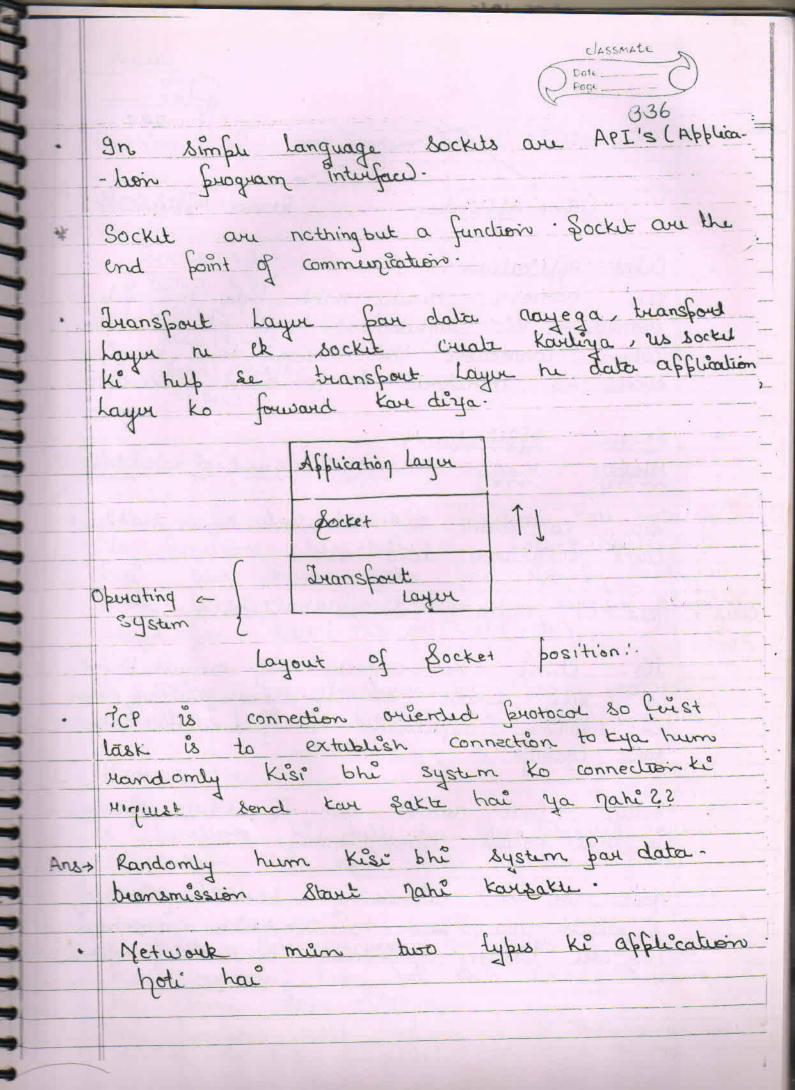
Socket is cover our the forts mattab jab bhi forts se data lina hai ya dina hai. Who aaf socket ka use karogry.

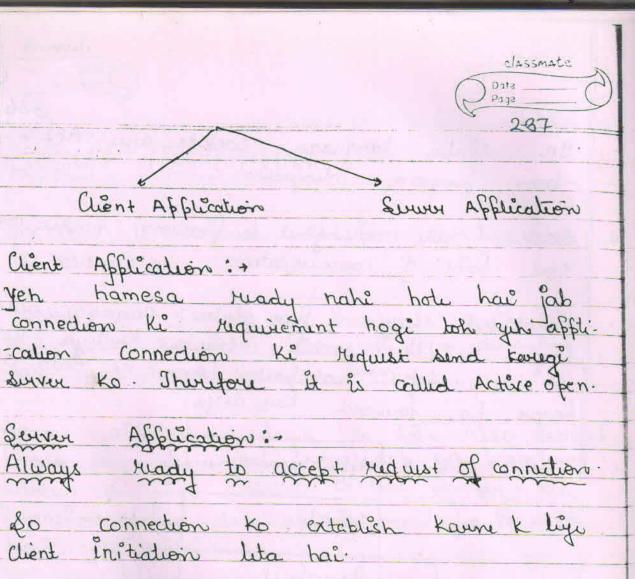
Agan afflication layer & data afko transfort heigh to dura hai toh aat yer bransfer Kenne K high Socket to use karogey. Am bransfort Layer & afflication layer to dina hai tab bhi.

Mattab hum yet kaha sakte hai ki socket is the intermediate believen affilication hayer and transfort layer.

Electrical Sockets hote hai reske ander wire hote hai agari aafko fam Ki Sfeed fast ya slow karna hai tah aaf revir mein kuch Change Jahi Karti ho but Socket ki helb se Change targakte ho.

Same logic afflicable hure agan afte fout ki setting mun kuch change tourner hai toh woh aaf socket ki helf se kangakte ho.





How to create Surver Application: -Ours: -Ans:-

hona Chahiye

Client Application

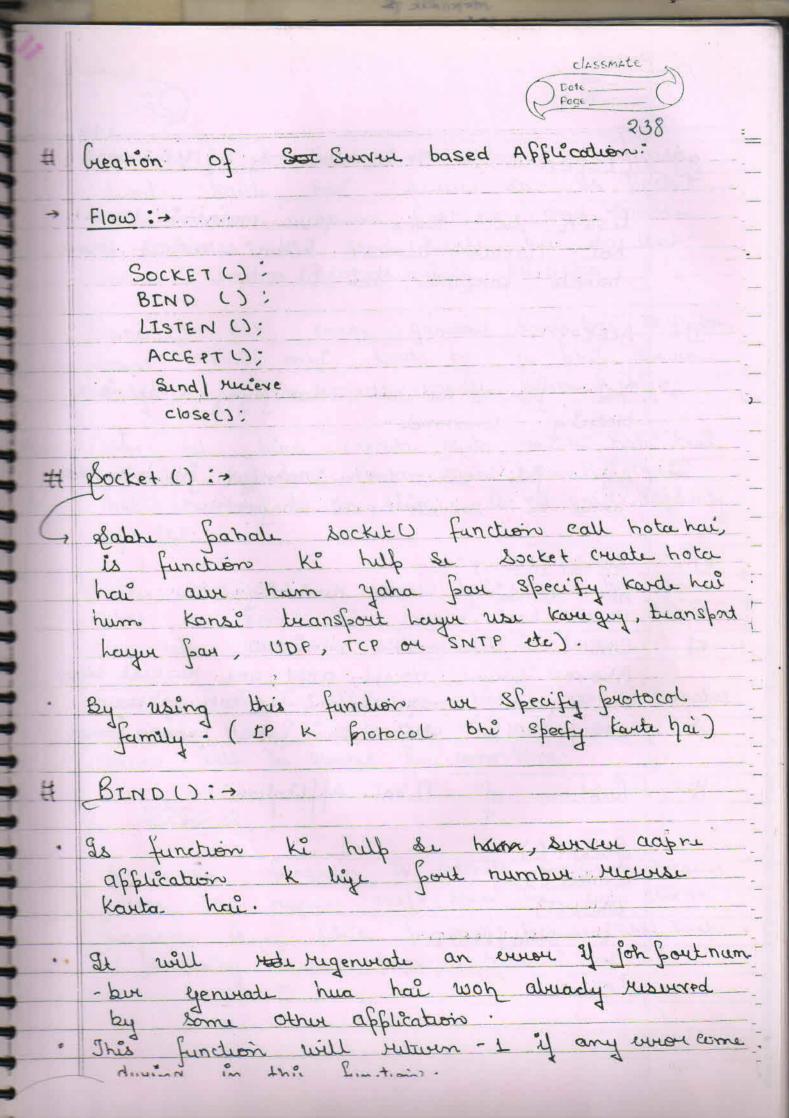
Client Afflication: +

Server Application:

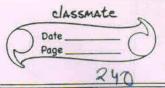
Jis client Ko connection ki request bhyni hai use surure ka if-address aux us somme par running application ka fort number pate

gelige fort number aun if address of sum. 2 will known hona chahuje

Mow we are discussing some function of C which are used to extablish connection lux are having focusamelor of these functions



	P132
	7 700 8000008
3.	LISTEN (): + 9+ is called only by TCP Survey.
	Listen de hum qui maintain kante
	hai. Matlab almost kitani requist suuri
	handle kangakta hai at a time.
4.1	A == == == = = = = = = = = = = = = = =
4)	ACCEPT:-
	Yaha far aa kar ruk jagega. It is a
	Yaha far aa kar ruk jayega. It is a blocking command.
-	Aun jab tak Mukha Mahaiga jab tak connu- -tion Ki Mequest nahi aajati.
	- tion Ki Meduest rahi aajati.
5] -	Send Reciève:
	For sending and Huieving data.
6]	Close (): - Connection burminate
-	Above surer accept only one requise again
	D ruguest accept kanani ho top aakka
	acceptio to while to faut banding foreign.
4	buation of Client Application:
#	buation of Client Application:
144	Socket ()
	Connect ()
	While (1)
	£ Send Reviere
2 18 h - 32	Till 3 et le
11,7	CloseC)
	The state of the s



	Date Page
	240
7	Connect () & hum connection ki requist
7	Lend Kante har senere Ko. Is facket
	min hum some port no and source
7	if address bhi send karte hai so that
	Sirver hamne communicate Karbake.
9	Connect () kab evror generate karta hai 20 ya toh
	Survey exist nahi kanta ho ya phie survey
	Heady na ho request handle komme k lige.
Jus:	Client top bind execute Karta hai hi nahi hai,
	toh client ka kohi foutno nahi hota hai kya??
Ans:	Pout number to the client is assigned Handomly
	try TCP.
-	Survey application bind tak execute hue aux +
	Client ne connect Ki request send kave de toh is
	Case min connect () will thould in cutor.
-	But agan Surver afflication listen () execute tarrabal
-	hai nun dient ki connect ki riquist aagayi toh
-	connect will be blocked for some time.
	Sold Sick /:
-	
	A survey program is infinite program because
7	Pusse & request accept komme har aun client
	puogram is finite program because usse tuch
	processing tarke buminate hona hi hai.