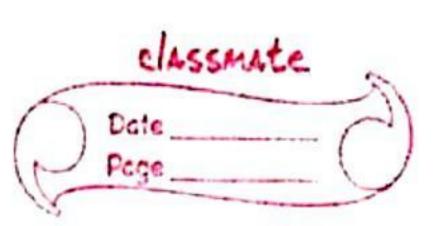
## Inhernet protocol

	BY IPV4 headers.	
	version(4) H1(4) Type of service(8) Total length (16)	
	+TI(8) Protocol(8) Header cheksum(6)	B
	Source IP (32)	В
•	Destination IP(32)	t B
	Ophonys (0 to 40 Bytes)	vi
	Data	
•	HL→header length. (4 bit)	
***	HL→ header length. (4 bit) DF→ Don't fragment (1 bit)	
	MF -> Morre fragment (1:bit)	
	TTL-> Time to leave (8 bit)	
	+11(4)°	
	min headen length -> 20Byte + 0B -> 20B	
	max 1 -> 20B+4013 -> 60B	
	· · · · · · · · · · · · · · · · · · ·	
•	2013 20/4 5	
	328	
	40B < 10	
	Pedding -> adding dummy data with actual data	
	30B → 7.5×	
	$(30+2)B \longrightarrow 8.$	

<b></b> √ <sub>1</sub>	5	
Υ	*	•
Y <sub>3</sub>		
VAV 010	0.0	
VSX		
√6√ -not 12	syllatus	4
01	) 0	
· Identification (16	)	
Identification	ny number wed	in order to number
Rveny dak	igram that is go	singaut of a host.
· 3 Flages - Zerro	NE ME'	
- July 25	<del>1</del>	
	Morce	
	fragments arre fallowin	g
		<b>Q</b>
	DF=1 X	
	(X)-	- / B
F.	<del></del>	
MTU=100	~ · ·	MTU=100
182111N	10.	
· Bright 10		

	. Time to leave (TTL) (8 bit)
	$-\frac{1}{2}(x)$
	Loop.
•	· · · · · · · · · · · · · · · · · · ·
•	TT1=3 TT1=2 TT1=X
	When TTL=0 then packet will be discarded by
	roufen.
•	)
	-> the mount politipoure of TIL is to disconded packtes
•	that which fau in Infilk Infinite 100p.
	protocol o
	TI TCP. UDP- any type of pullet can present.
	IP datagram
•	
	> present in IP data gram.
	process of gram.
1	Jempy data
•	1cimp/
	UDP -
	TCP
•	



	· Header Cheksum(16) -	
	TIL= 9	
	TTL=1-1	
	(S)	
	, 0 ,	might
	during transmission of data the field	s Which may
	change -	
	(1) For MF, TL.	
	(I) oph ons.	
	(1) Headen Length	•
	7112011	1.
	. Headerd Douter	
	cheksum	
•	colculated	*
	in headek	•
	part	
	•	*
	chekrum med to cheety to enror de	etceh'on.
	· Sounce it and Destination It address -	
		*
	IP has two parts -> Network 1D; Host ID	
: 3	(XSIPYDIP) 1.	* > > (0 > (0 1) - 1 = 0
12 mg.	& X X	> Ve valled Ip
750 3	(SIP, DIP) o's	-> NID
8 × dp	(SIP. DIP)	· '0.' 1
/'		Brodeast
	100.0.0.0 (SIP DIP) 1'S'	address.
		-> limited Broad coast address.
	(SIP, DIP) i'S	→ Nal
	(用) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	> Network mask
	100.1.1.1 100.1.1.2 X X X (SIP, DIP) OC	seitmet mask
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	> Host withing network.
	IP SA DA	- remorek.

	MID HID
	(SIP, DIP) 0'S O'S — "I don't have IP"  (SIP, DIP) 127 V—"loop back address"
	(SIP) DIP) 127 / - "loop back address"
•	- oppons - (not important for gate).
	(1) Record route -
	R) R2 R) R)
	TEN TERM
	Loose Souther routing Rz
	S S
,	struct R3
•	rouhing.
	(3) padding.
	-> Record nouce, counce routing, parlaing
	Wada Man Opnons.