13/7/2024.	PRACTICA L-1	toda las (d)
		(5) net stat
AIM: Study	of various network comi	mands used In
kinux and	windows.	Psubto Lora
	168 186 239 49721 20 198	
BASIC NETWO	PRKING COMMANDS:	1 00 00
Statistic Statistic	IN WINDOWS.	91 (191) 401 =
(1) araxp-a	8 186-234-60521	11 CP1 95T
output:	IN WINDOWS. IN WINDOWS. Interface: 192-168-186-23	d. marie
Intern	of Address Physical Addres	estination a Latin
192 168.15	net Address Physical Address 22-5a -46-0	9-4-64
72000 N	11 11-11 11 authorities	-It of static
192.168-19	86.255	(7) Pathping
18: FOOL 008	set Address III Physical Address Addre	
1004 MS-170 No. 12		
	nni Pegad mumissar del [de	
(3) ipconfig	all harsh	ni Porbbo 1-7
	at Mme	
Por	imany Dne Suffix: Hybrode Type	tusamit oi-1
No	ode Type : Hybr	nd.
IP	routing Enabled: No. 1NS Proxy Enabled: No.	iww paid (3)
tide .	INS Proxy Enabled: No	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
W tine will a TRES		obs LSIT
(1) nbtstat -	a 154 .06 .01 .04 . FZI	-A IPaddron
NBTSTA	a for C-a Remote Name J	1054 NASC.
· [oilonf-c][-	DJ[-Y][-R][-RR][-8][-8] mor(P)
In Cintor	ial T/ T	ROOTE /
Tu secil	Mustap damited 12	447)
Section 1	[if Interface]	

```
Marc / F/JI
                       RACTICAL
(5) net stat
   Active Connections
          Local Address foriegn address 19tate: 1411
                                 20.198.119.143 Established
  TCP
          192 · 168 · 186 - 287 · 49721
                                20:198.119.143 Established
                    (COMMANIAD)
        192.168.186.237.60517
  TCP
                                 237:4070 Established
                 IN MINDOWS
  TCP
         192.168.186-237-60521
 (b) relookup www. google.com.
       Default Server: Unknown: 1000
        Address: 192.168.186.40 381.801.50
 (7) Pathping Non-authoritative answer:
                       Name: Google.
                       Address: 2404:6800:4007:81d:
                                      2004 · 142 · 250 196. 68
   [-9 host-list] [-h maximum hops ] littlered
 [-i address ] [-n] [-p period] [-q num-quenes]
  [-w timeout][-4][-6] target-name.
 (8) ping www.fackbook.com
  [157.240.16.35] with 32 byte of data:
    reply from 157.240.16.35! byte = 82 time 11ms TR-54
    reply from 187.240.16.35 byte=30 time soms tTL5
       ROUTE [-f][-p][-4]-6] command [destination]
  (9) route:
           [MASK netmask][gateway][METRIC metric]
```

[iF interface]

```
) ip: ip [ OPTIONS] OBJECT & COHMAND | help & 1 (3)
 ip [ force ] - butch tilerame.
  OBJECT: = & link | address | addrlabel | route | rule
 Loroldoneigh Intable &
    OPTIONS := & v[ersion] |-s[tatistics] |-d[etails]
   1-r [ersolve] 1-h [uman-readable] 3.00
         or | noity of moternit T -
2) if config:
       enp280: flags = 4168 < UP, BROADCAST, RUNNING,
   MULTICAST > mtu 1500
        intel 172.16.11.183 netmask 255:255:258.0)
       broadcast 172. 16.11.255 inte 172. fo 80: : d3b2
08 f. 0: 0539: 018b: 4668 parelaixlen 64 scopeid 0x20
and line > me
             - non bon colling of deman
3) mtr google. com
                               Packets
                  8.0%. 780.9 0.2 6.1 0.9 0.0
    172.16.8.1
  2. 142.250.171.162 0.07.78 2.5 3.7 8.7 61.2 63
                            0.0%. 78 3.7 2.4 1.99.9 1.0
   3 . 142 - 251-227.215
                            0.0% 78 7.1
                                         3.8 $1.2 21.2 9
   4 . 142. 250.228.81
4) topdump - Do
    1. enp280 Jup, Running
   any ( Pseudo- device that captures on all
 interfaces)[Op, Running]
 3. lo [Up, Running, Loop back]
 4. wb380
  5. Bluetooth O (Bluetooth adapter number 0).
```

IN LINUX .

(5) pinghed cammo grostan (smorro] of the of ping [-aAbBd D-fh Ln Ogrkuv V 64] [-c count) [i-interval] [-I interpace] [-m. mark] [-M Pontudisc option] [- l perhad] [-p pattern] [- a tos] [-s packetsize] [-s snd buf] [-t ttl][-Ttimestamp-option][w deadline] [w timeout] [Rop 1 - destination. Configuration and Ethernet: (1) Listing Notwork manager. NAME New 802-3- ethernel-connection 480 (2) >nmcli. connection. add con-name / connection name > olp = connection added. (3) > nodi connection modify (rename. connection id "king" > connection id/name changed. (4) norchi connection delete king O/P: connection king deleted.

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student Observation (1) which command is used to find the host of ping to find readability. be given the details (2) Which command will of taken by a packet! teas mtr (web address historians (3) Which commandstudisplay the ip configure ip address show to show i peoplig. (4) which command displays the TCP. 978 netstat. the modity the iptconfig in a Loss sux apild Hoja (5) write 3-199 Coxial of linux. Engloonfigot. 12 - 12 3/dno interference 11 -1351 Albicubano Single mode Thus the study of various. Light speal commands used in Linux & window mwas successfully completed.

24/2/24