Kazi Shadman Sakib	\supset
FH-97	
3nd Vents	
1) ping 3- ping works by sending an ICMP echo request to a specified on the network. When the tanget host necesives the echo nequest, it is	adh
on the network. When the target host necesves the echo nequest, it	nespor
of sending and echo neply packet.	
Command: Dina cultural aggala com a 2 (0)	noques
Output shows: The nesult of each echo nequests is displayed, show whether the nequest necessful nesponse, how many byte necessful nesponse, how many byte	ing.
whether the request received a successful nesponse, how many byte	s we
neceived in nesponse, the Time to Live (TTL) and how long the nesponse neceive, along with statistics about 1 led to 10 70	took,
less a along with statistics about packet loss and Round thip Til	nes.
neceive, along with statistics about packet loss and Round thip Tillene RTT is a measure of how long 94 took to nearly Response.	
3) of conference of a	
Phonting or it conting is used to configure the kennel stage resident interfaces. It is used at boot time to setup interfaces, usually only nee when debugging on when system turing is needed. It displays state	netum
when Johns at boot time to setup intentaces, usually only nec	ded
when debugging on when system turing is needed. It displays state of currently active intenfaces.	S
Example Commando of config	
Shows informations of 3 intenfoces &	
1) on 03 so : 6th on and not walk of	
1) enp330; Ethernet network periphenal.	
2) 10; 10 is the loopback intenface, used to communicate it	ælt.
3) wlp250'. Wineless network Interface on the system. (WFF)	Ľ.
contans sevenul informations like:-	
- Prot (TCP/IP, default) means Internet protocol family.	
inote (IRV6) means Internet Protocol vension 6 family.	
- other: value of handware address.	
-RX 9s bytes necessed over an Intenface and Tx 9s byter transmitted over an Intenface.	25

3) tracerzoute: A tracerzoute tool provides map of how data on the Internet travels from source to destination.

Command: - traceroute www.google.com

Outputshows Information of:

* Hop: - Whonever a packet is passed between a nouter, it is neffered to as a hop".

* Domain name [IP Address)

* RTT1, RTT2, RTT3: Round Trip Time

4) notstat: - command: - notstat

Output shows Informations of active TCP connections, ports on which the computer is listening, Ethennet Statistics, the IP nowling table, IPV4/for the IP, ICMP, TCP and UPP protocols) and IPV6 (for the IPV6, ICM V6, 7LP and ODP OVER IPV6 pnotocols).