```
[Priya] Network diagnostics started by Priya at 20250522_212951
[Priya] Machine Name (Hostname): debian
[Priya] Creating output folder at network_diagnostics_20250522_212951
[Priya] Starting tcpdump to capture ICMP and traceroute traffic into network_diagnostics_20
250522_212951/icmp_traceroute.pcap
[Priya] ----- START: Network Configuration (ifconfig) -----
[Priya] Running command: ifconfig
===================================
./priya_task1_network_dignose.sh: line 29: ifconfig: command not found
[Priya] ----- COMPLETE: Network Configuration (ifconfig) -----


[Priya] ----- START: Active Network Connections (netstat) -----
[Priya] Running command: netstat -tulnp
===================================
./priya_task1_network_dignose.sh: line 29: netstat: command not found
[Priya] ----- COMPLETE: Active Network Connections (netstat) -----


[Priya] ----- START: DNS Lookup (nslookup google.com) -----
[Priya] Running command: nslookup google.com
===================================
Server:         192.168.28.157
Address:        192.168.28.157#53

Non-authoritative answer:
Name:   google.com
Address: 142.251.221.110
Name:   google.com
Address: 2404:6800:4007:835::200e

[Priya] ----- COMPLETE: DNS Lookup (nslookup google.com) -----


[Priya] ----- START: Traceroute to google.com -----
[Priya] Running command: traceroute google.com
===================================
traceroute to google.com (142.251.221.110), 30 hops max, 60 byte packets
 1  _gateway (192.168.28.157)  4.924 ms  4.800 ms  4.824 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  * * *
21  * * *
22  * * *
23  * * *
24  * * *
25  * * *
26  * * *
27  * * *
```

```
28  * * *
29  * * *
30  * * *
[Priya] ----- COMPLETE: Traceroute to google.com -----



[Priya] ----- START: Ping to google.com -----
[Priya] Running command: ping -c 4 google.com
==================================
PING google.com(pnmaaa-as-in-x0e.1e100.net (2404:6800:4007:835::200e)) 56 data bytes
64 bytes from pnmaaa-as-in-x0e.1e100.net (2404:6800:4007:835::200e): icmp_seq=1 ttl=116 tim
e=408 ms
64 bytes from pnmaaa-as-in-x0e.1e100.net (2404:6800:4007:835::200e): icmp_seq=2 ttl=116 tim
e=227 ms
64 bytes from pnmaaa-as-in-x0e.1e100.net (2404:6800:4007:835::200e): icmp_seq=3 ttl=116 tim
e=57.3 ms
64 bytes from pnmaaa-as-in-x0e.1e100.net (2404:6800:4007:835::200e): icmp_seq=4 ttl=116 tim
e=51.6 ms

--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 51.550/185.892/408.086/146.292 ms
[Priya] ----- COMPLETE: Ping to google.com -----



[Priya] Stopping tcpdump process (PID: 4320)
[Priya] tcpdump capture saved to network_diagnostics_20250522_212951/icmp_traceroute.pcap
[Priya] Converting output.txt to PDF...
```