Homework 1 - Basic Networking Utilities

- This is an individual assignment, and worth 20 points.
- The due date and time is Wednesday, September 15th, Midnight.
- You need to provide your outcomes to the "Homework 1-Outcome.docx." Change the file name following the naming convention. The naming convention is as follows: homework, hypen, last name, first initial, and extension (e.g., Homework1-ImG.docx). If you do not follow the convention, I will deduct 1.
- Make screenshots small so that you can save space.

Tasks

(Task 1) Provide a screenshot #1.

(Task 2) Provide a screenshot #2.

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                                                                                                                                                                                                                                                                                                                      08:37 AM □ •) ▲ □ | A G
                                                        File Actions Edit View Help
                                                                                                           no dns name resolution
report outstanding replies
contents of padding byte
quiet output
use quality of service <tclass> bits
use <size> as number of data bytes to be sent
use <size> as So_SNDBUF socket option value
define time to live
print user-to-user latency
verbose output
                                                          -U
-p <pattern>
-q
-Q <tclass>
-s <size>
-S <size>
-t <ttl>
VNE
                                                                                                              verbose output
print version and exit
reply wait <deadline> in seconds
time to wait for response
                                                           -w <deadline>
-W <timeout>
3
                                                                                                            use IPv4
allow pinging broadcast
record route
define timestamp, can be one of <tsonly|tsandaddr|tsprespec>
IPv6 options:
                                                           -6
-F <flowlabel> define flow label, default is random
-N «nodeinfo opt» use icmp6 node info query, try <help> as argument
•
                                                     (root otsisal) -[/home/kal]

### ping -c 5 www.nyt.com

PING nytimes.map.fastly.net (151.101.1.164) 56(84) bytes of data.

64 bytes from 151.101.1.164 (151.101.1.164): icmp_seq-1 ttl-54 time-10.1 ms

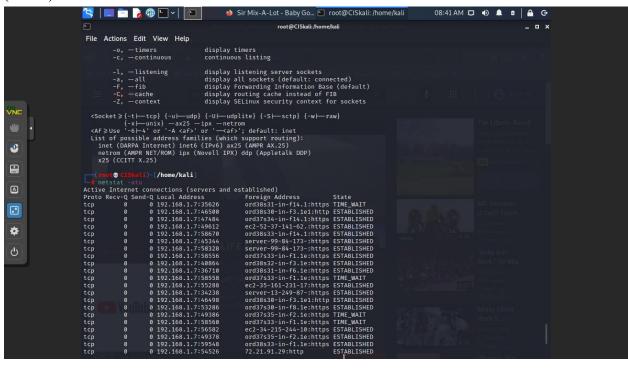
64 bytes from 151.101.1.164 (151.101.1.164): icmp_seq-2 ttl-54 time-10.3 ms

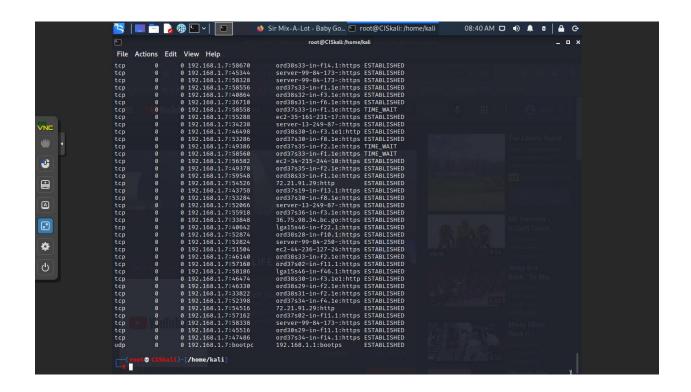
64 bytes from 151.101.1.164 (151.101.1.164): icmp_seq-2 ttl-54 time-9.89 ms

64 bytes from 151.101.1.164 (151.101.1.164): icmp_seq-4 ttl-54 time-10.2 ms

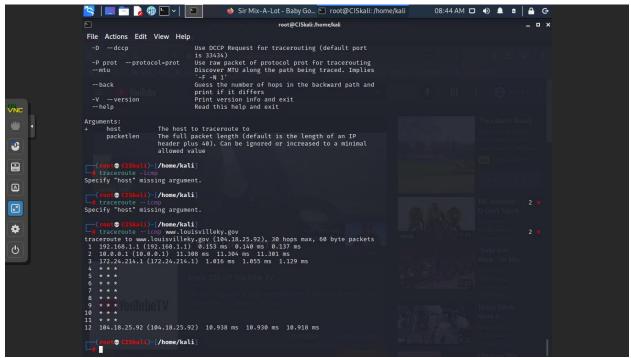
64 bytes from 151.101.1.164 (151.101.1.164): icmp_seq-5 ttl-54 time-10.2 ms
                                                     --- nytimes.map.fastly.net ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4006ms rtt min/avg/max/mdev = 9.892/10.120/10.272/0.131 ms
                                                                                              li)-[/home/kali
```

(Task 3) Provide a screenshot #3.





(Task 4) Provide a screenshot #4.



(Task 5) Provide a screenshot #5.

