

Assignment 8: Designing ping using raw sockets

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Compilation and Running instruction

Make

sudo ./ping IP_ADDR

ex: sudo ./ping 10.5.18.68

Sample Output

```
shikha@shikha-HP-Pavilion-Notebook:~/Document/Academics/Semester6/Networks lab/PING$ sudo ./ping 10.5.18.68
PING 10.5.18.68(10.5.18.68): 56 bytes data in ICMP pack_ets.
64 byte from 10.5.18.68: icmp_seq=1 ttl=61 time=0.265 ms
64 byte from 10.5.18.68: icmp_seq=2 ttl=61 time=0.238 ms
64 byte from 10.5.18.68: icmp_seq=3 ttl=61 time=0.221 ms
64 byte from 10.5.18.68: icmp_seq=4 ttl=61 time=0.214 ms
64 byte from 10.5.18.68: icmp_seq=5 ttl=61 time=0.221 ms
64 byte from 10.5.18.68: icmp_seq=6 ttl=61 time=0.267 ms
64 byte from 10.5.18.68: icmp_seq=7 ttl=61 time=0.281 ms
64 byte from 10.5.18.68: icmp_seq=8 ttl=61 time=0.257 ms
64 byte from 10.5.18.68: icmp_seq=9 ttl=61 time=0.214 ms
64 byte from 10.5.18.68: icmp_seq=10 ttl=61 time=0.225 ms
64 byte from 10.5.18.68: icmp_seq=11 ttl=61 time=0.252 ms
64 byte from 10.5.18.68: icmp_seq=12 ttl=61 time=0.225 ms
64 byte from 10.5.18.68: icmp_seq=13 ttl=61 time=0.252 ms
64 byte from 10.5.18.68: icmp_seq=14 ttl=61 time=0.320 ms
64 byte from 10.5.18.68: icmp_seq=15 ttl=61 time=0.314 ms
64 byte from 10.5.18.68: icmp_seq=16 ttl=61 time=0.381 ms
64 byte from 10.5.18.68: icmp_seq=17 ttl=61 time=0.356 ms
64 byte from 10.5.18.68: icmp_seq=18 ttl=61 time=0.348 ms
64 byte from 10.5.18.68: icmp_seq=19 ttl=61 time=0.215 ms
64 byte from 10.5.18.68: icmp_seq=20 ttl=61 time=0.259 ms
64 byte from 10.5.18.68: icmp_seq=21 ttl=61 time=0.273 ms
64 byte from 10.5.18.68: icmp_seq=22 ttl=61 time=0.282 ms
64 byte from 10.5.18.68: icmp_seq=23 ttl=61 time=0.328 ms
64 byte from 10.5.18.68: icmp_seq=24 ttl=61 time=0.253 ms
64 byte from 10.5.18.68: icmp_seq=25 ttl=61 time=0.282 ms
64 byte from 10.5.18.68: icmp_seq=26 ttl=61 time=0.234 ms
64 byte from 10.5.18.68: icmp_seq=27 ttl=61 time=0.250 ms
64 byte from 10.5.18.68: icmp_seq=28 ttl=61 time=0.260 ms
64 byte from 10.5.18.68: icmp_seq=29 ttl=61 time=0.213 ms
64 byte from 10.5.18.68: icmp_seq=30 ttl=61 time=0.256 ms
64 byte from 10.5.18.68: icmp_seq=31 ttl=61 time=0.213 ms
64 byte from 10.5.18.68: icmp_seq=32 ttl=61 time=0.225 ms
^C
-----PING STATISTICS-----
32 pack_ets transmitted, 32 received , %0 lost
rtt min/avg/max/mdev = 0.213000/0.262313/0.381000/0.063470
shikha@shikha-HP-Pavilion-Notebook:~/Document/Academics/Semester6/Networks lab/PING$
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