

## Lab02 - z5119666

Exercise 1 output:

\$ java PingServer 1024

```
kelly — ssh z5119666@login.cse.unsw.edu.au — 80x22
~ — ssh z5119666@login.cse.unsw.edu.au
Received from 127.0.0.1: PING 0 1547578190727
  Reply sent.
Received from 127.0.0.1: PING 1 1547578190740
  Reply not sent.
Received from 127.0.0.1: PING 2 1547578191741
  Reply sent.
Received from 127.0.0.1: PING 3 1547578191762
  Reply sent.
Received from 127.0.0.1: PING 4 1547578191918
  Reply not sent.
Received from 127.0.0.1: PING 5 1547578192919
  Reply sent.
Received from 127.0.0.1: PING 6 1547578193014
  Reply not sent.
Received from 127.0.0.1: PING 7 1547578194015
  Reply sent.
Received from 127.0.0.1: PING 8 1547578194070
  Reply sent.
Received from 127.0.0.1: PING 9 1547578194073
  Reply sent.
```

\$ java PingClient 127.0.0.1 1024

```
kelly — ssh z5119666@login.cse.unsw.edu.au — 80x22
~ — ssh z5119666@login.cse.unsw.edu.au
weber % java PingClient 127.0.0.1 1024
ping to 127.0.0.1, PING 0 1547578190727
  seq = 0, rtt = 13 ms
ping to 127.0.0.1, PING 1
  seq = 1, time out
ping to 127.0.0.1, PING 2 1547578191741
  seq = 2, rtt = 21 ms
ping to 127.0.0.1, PING 3 1547578191762
  seq = 3, rtt = 156 ms
ping to 127.0.0.1, PING 4
  seq = 4, time out
ping to 127.0.0.1, PING 5 1547578192919
  seq = 5, rtt = 95 ms
ping to 127.0.0.1, PING 6
  seq = 6, time out
ping to 127.0.0.1, PING 7 1547578194015
  seq = 7, rtt = 55 ms
ping to 127.0.0.1, PING 8 1547578194070
  seq = 8, rtt = 3 ms
ping to 127.0.0.1, PING 9 1547578194073
  seq = 9, rtt = 31 ms
min rtt = 3 ms, max rtt = 156 ms, average rtt = 53 ms
```

## Exercise 2 output:

\$ java PingServer 1024

```
~ — ssh z5119666@login.cse.unsw.edu.au ~ — ssh z5119666@login.cse.unsw.edu.au +
Received from 127.0.0.1: PING 0 1547578256273
  Reply sent.
Received from 127.0.0.1: PING 1 1547578256320
  Reply sent.
Received from 127.0.0.1: PING 2 1547578256454
  Reply not sent.
Received from 127.0.0.1: PING 2 1547578257455
  Reply sent.
Received from 127.0.0.1: PING 3 1547578257561
  Reply sent.
Received from 127.0.0.1: PING 4 1547578257727
  Reply sent.
Received from 127.0.0.1: PING 5 1547578257903
  Reply sent.
Received from 127.0.0.1: PING 6 1547578258049
  Reply sent.
Received from 127.0.0.1: PING 7 1547578258154
  Reply not sent.
Received from 127.0.0.1: PING 7 1547578259156
  Reply sent.
Received from 127.0.0.1: PING 8 1547578259339
  Reply sent.
Received from 127.0.0.1: PING 9 1547578259456
  Reply not sent.
Received from 127.0.0.1: PING 9 1547578260458
  Reply sent.
```

\$ java PingClient2 127.0.0.1 1024

```
~ — ssh z5119666@login.cse.unsw.edu.au ... ~ — ssh z5119666@login.cse.unsw.edu.au +
weber % java PingClient2 127.0.0.1 1024
ping to 127.0.0.1, PING 0 1547578256273
  seq = 0, rtt = 46 ms
ping to 127.0.0.1, PING 1 1547578256320
  seq = 1, rtt = 134 ms
ping to 127.0.0.1, PING 2
  seq = 2, time out, retransmitting
ping to 127.0.0.1, PING 2 1547578257455
  seq = 2 (RXT) , rtt = 106 ms
ping to 127.0.0.1, PING 3 1547578257561
  seq = 3, rtt = 166 ms
ping to 127.0.0.1, PING 4 1547578257727
  seq = 4, rtt = 176 ms
ping to 127.0.0.1, PING 5 1547578257903
  seq = 5, rtt = 146 ms
ping to 127.0.0.1, PING 6 1547578258049
  seq = 6, rtt = 105 ms
ping to 127.0.0.1, PING 7
  seq = 7, time out, retransmitting
ping to 127.0.0.1, PING 7 1547578259156
  seq = 7 (RXT) , rtt = 183 ms
ping to 127.0.0.1, PING 8 1547578259339
  seq = 8, rtt = 117 ms
ping to 127.0.0.1, PING 9
  seq = 9, time out, retransmitting
ping to 127.0.0.1, PING 9 1547578260458
  seq = 9 (RXT) , rtt = 187 ms
min rtt = 46 ms, max rtt = 187 ms, average rtt = 136 ms, number of retransmissions = 3
weber %
weber %
weber %
weber %
weber %
```