

Exercise 1. Tracing router route

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Reading 1:

Location: 172.217.167.174-> Chicago, United States

Average time: 20ms

Sr.No	Ping1	Ping2	Ping3	IP address			
1	3 ms	1 ms	8 ms	10.200.0.4			
2	3 ms	6 ms	2 ms	10.100.56.55			
3	12 ms	68 ms	16 ms	10.119.237.21			
4	58 ms	70 ms	19 ms	10.154.7.49			
5	15 ms	16 ms	17 ms	10.255.236.161			
6	15 ms	15 ms	15 ms	10.152.7.214			
7	25 ms	27 ms	18 ms	72.14.204.62			7
8	17 ms	96 ms	18 ms	72.14.239.103			
9	18 ms	17 ms	17 ms	108.170.232.205			
10	27 ms	18 ms	28 ms	bom12s01-in-f14	.1e100.net [172.217.167.174		

```
Tracing route to google.com [172.217.167.174]
over a maximum of 30 hops:
       3 ms
                1 ms
                        8 ms 10.200.0.4
       3 ms
                        2 ms 10.100.56.55
                6 ms
      12 ms
               68 ms
                       16 ms 10.119.237.21
      58 ms
               70 ms
                       19 ms 10.154.7.49
 5
      15 ms
               16 ms
                       17 ms 10.255.236.161
      15 ms
               15 ms
                       15 ms 10.152.7.214
      25 ms
               27 ms
                       18 ms 72.14.204.62
      17 ms
 8
               96 ms
                       18 ms 72.14.239.103
 9
                       17 ms 108.170.232.205
      18 ms
               17 ms
 10
      27 ms
               18 ms
                        28 ms bom12s01-in-f14.1e100.net [172.217.167.174]
Trace complete.
```

Reading 2:

Location: 142.251.42.110 -> Marriottsville, Maryland ,United States

Average time: 18ms

Sr.No	Ping1	Ping2	Ping3	IP address		
1	2 ms	1 ms	2 ms	10.200.0.4		
2	2 ms	2 ms	3 ms	10.100.56.55		
3	3 ms	3 ms	3 ms	10.119.237.21		
4	14 ms	16 ms	15 ms	10.154.7.49		
5	16 ms	14 ms	15 ms	10.255.236.161		
6	19 ms	16 ms	15 ms	10.152.7.214		



7	22 ms	23 ms	16 ms	72.14.204.62			
8	23 ms	19 ms	19 ms	142.251.76.27			
9	19 ms	19 ms	22 ms	142.251.77.97			
10	31 ms	19 ms	16 ms	bom07s45-in-f1	4.1e100.net [142.251.42.110]		

```
Tracing route to google.com [142.251.42.110]
over a maximum of 30 hops:
        2 ms
                 1 ms
                          2 ms
                                10.200.0.4
  2
        2 ms
                 2 ms
                          3 ms
                                10.100.56.55
        3 ms
                          3 ms
                                10.119.237.21
                 3 ms
  4
       14 ms
                         15 ms
                                10.154.7.49
                16 ms
       16 ms
                14 ms
                                10.255.236.161
                         15 ms
       19 ms
                16 ms
                         15 ms
                                10.152.7.214
  7
                                72.14.204.62
       22 ms
                23 ms
                         16 ms
  8
       23 ms
                19 ms
                         19 ms
                                142.251.76.27
                                142.251.77.97
  9
       19 ms
                19 ms
                         22 ms
       31 ms
                19 ms
                         16 ms
                                bom07s45-in-f14.1e100.net [142.251.42.110]
```

Reading 3:

Location: 142.251.42.14 -> Marriottsville, Maryland ,United States

Average time: 16ms

Sr.No	Ping1	Ping2	Ping3	IP address			
1	2 ms	2 ms	2 ms	10.200.0.4			
2	2 ms	2 ms	2 ms	10.100.56.55			
3	4 ms	2 ms	2 ms	10.119.237.21			
4	16 ms	22 ms	19 ms	10.154.7.49			
5	17 ms	18 ms	18 ms	10.255.236.161			
6	19 ms	20 ms	21 ms	10.152.7.214			
7	16 ms	17 ms	17 ms	72.14.204.62			
8	19 ms	18 ms	16 ms	142.251.49.177			
9	27 ms	19 ms	26 ms	209.85.248.61			
10	16 ms	17 ms	21 ms	bom12s19-in-f14	.1e100.net [142.251.42.14]		



```
Tracing route to google.com [142.251.42.14]
over a maximum of 30 hops:
  1
                 2 ms
                           2 ms
                                 10.200.0.4
        2 ms
  2
        2 ms
                 2 ms
                           2 ms
                                 10.100.56.55
  3
        4 ms
                 2 ms
                          2 ms
                                 10.119.237.21
  4
       16 ms
                22 ms
                          19 ms
                                 10.154.7.49
  5
       17 ms
                18 ms
                          18 ms
                                 10.255.236.161
  6
       19 ms
                20 ms
                          21 ms
                                 10.152.7.214
                                 72.14.204.62
  7
                          17 ms
       16 ms
                17 ms
  8
                                 142.251.49.177
       19 ms
                18 ms
                          16 ms
  9
       27 ms
                19 ms
                          26 ms
                                 209.85.248.61
 10
       16 ms
                17 ms
                          21 ms
                                 bom12s19-in-f14.1e100.net [142.251.42.14]
```

Reading 4:

Location: 142.251.42.110 -> Marriottsville, Maryland ,United States

Average time: 25ms

Sr.No	Ping1	Ping2	Ping3	IP address			
1	2 ms	2 ms	2 ms	10.200.0.4			
2	2 ms	1 ms	1 ms	10.100.56.55			
3	4 ms	3 ms	5 ms	10.119.237.21			
4	16 ms	15 ms	16 ms	10.154.7.49			
5	20 ms	16 ms	16 ms	10.255.236.161			
6	15 ms	15 ms	18 ms	10.152.7.214			
7	18 ms	17 ms	16 ms	72.14.204.62			
8	22 ms	20 ms	19 ms	142.251.76.27			
9	19 ms	19 ms	19 ms	142.251.77.97			
10	17 ms	17 ms	17 ms	bom07s45-in-f14	.1e100.net [142.251.42.110]		

```
Tracing route to google.com [142.251.42.110] over a maximum of 30 hops:
```

```
2 ms
                 2 ms
                          2 ms
                                10.200.0.4
 2
       2 ms
                 1 ms
                          1 ms
                                10.100.56.55
 3
       4 ms
                 3 ms
                          5 ms
                                10.119.237.21
 4
                                10.154.7.49
               15 ms
      16 ms
                         16 ms
 5
                                10.255.236.161
      20 ms
               16 ms
                         16 ms
      15 ms
               15 ms
                         18 ms
                                10.152.7.214
 7
      18 ms
               17 ms
                         16 ms
                                72.14.204.62
               20 ms
                                142.251.76.27
 8
      22 ms
                         19 ms
 9
      19 ms
                         19 ms
                                142.251.77.97
               19 ms
10
      17 ms
               17 ms
                                bom07s45-in-f14.1e100.net [142.251.42.110]
                         17 ms
```



Reading 5:

Location: 115.247.69.85->Mumbai,India

Average time: 211ms

Sr.No	Ding1	Ding?	Ding?	IP address		
	Ping1	Ping2	Ping3			
1	1 ms	1 ms	1 ms	10.200.0.4		
2	2 ms	4 ms	2 ms	10.100.56.55		
3	3 ms	2 ms	5 ms	10.119.237.21		
				Request timed		
4	*	*	*	out.		
				Request timed		
5	*	*	*	out.		
	22					
6	ms	19 ms	20 ms	10.152.7.38		
	18					
7	ms	18 ms	18 ms	115.247.69.85		
				Request timed		
8	*	*	*	out.		
				Request timed		
9	*	*	*	out.		
				Request timed		
10	*	*	*	out.		
				Request timed		
11	*	*	*	out.		
				Request timed		
12	*	*	*	out.		
				Request timed		
13	*	*	*	out.		
				Request timed		
14	*	*	*	out.		
				Request timed		
15	*	*	*	out.		
				Request timed		
16	*	*	*	out.		
				Request timed		
17	*	*	*	out.		
				Request timed		
18	*	*	*	out.		



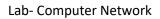
4	4						10 000 0 11
1		ms		ms			10.200.0.4
2	2	ms	4	ms	2	ms	10.100.56.55
3	3	ms	2	ms	5	ms	10.119.237.21
4	*		*		*		Request timed out.
5	*		*		*		Request timed out.
6	22	ms	19	ms	20	ms	10.152.7.38
7	18	ms	18	ms	18	ms	115.247.69.85
8	*		*		*		Request timed out.
9	*		*		*		Request timed out.
10	*		*		*		Request timed out.
11	*		*		*		Request timed out.
12	*		*		*		Request timed out.
13	*		*		*		Request timed out.
14	*		*		*		Request timed out.
15	*		*		*		Request timed out.
16	*		*		*		Request timed out.
17	*		*		*		Request timed out.
18	*		*		*		Request timed out.

Reading 6:

Location: 104.244.42.65 -> Chicago, United States

Average time: 69ms

Sr.No	Ping1	Ping2	Ping3	IP address
1	1 2 ms 2 ms		1 ms	10.200.0.4
2	3 ms	6 ms	5 ms	10.100.56.55
3	1 ms	4 ms	6 ms	10.119.237.21
4	4 * *		*	Request timed out.
				Request timed
5	*	*	*	out.
	21			
6	ms	20 ms	18 ms	10.152.7.38
	21			
7	ms	19 ms	20 ms	115.247.69.85
				Request timed
8	*	*	*	out.
				Request timed
9	*	*	*	out.
				Request timed
10	*	*	*	out.





							quest t	imed					
	11	*		*	*	out							
		70				r-19	99-59-	151-					
	12	ms		73 ms	73 ms	96.	tw		[199.59.151	96]			
		70											
	13	ms		70 ms	70 ms	104	1.244.4	12.65					
1		2	m≤	. 2	ms	1	ms	10.20	0.0.4				
2		3	m≤	6	ms	5	ms	10.10	0.56.55				
3		1	ms	; 4	ms	6	ms	10.11	9.237.21				
4		*		*		*		Reque	st timed	out.			
5		*		*		*		Reque	st timed	out.			
6		21	ms	20	ms	18	ms	10.15	2.7.38				
7		21	ms	19	ms	20	ms	115.2	47.69.85				
8		*		*		*		Reque	st timed	out.			
9		*		*		*			st timed				
10		*		*		*			st timed				
11		*		*		*		•	st timed				
12		70	ms				ms				ttr.com	Г199.5	59.151.96]
13		70	ms				ms		44.42.65				
13		, 0		, , , ,	1112	,,,	1113	104.2	11.42.00				
Trac	·е (comr	ole	ete.									

