

**200941**

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**COMPUTER NETWORK LAB TASKS:**

**Question 1:**

**Sol:**

<b>IP Address</b>	<b>Class</b>	<b>Usage</b>	<b>Type</b>	<b>Status</b>
<b>191.141.91.41</b>	<b>B</b>	<b>Public</b>	<b>Valid</b>	<b>Not reserved</b>
<b>132.82.32.82</b>	<b>B</b>	<b>Public</b>	<b>Valid</b>	<b>Not reserved</b>
<b>73.23.123.23</b>	<b>A</b>	<b>Public</b>	<b>Valid</b>	<b>Not reserved</b>
<b>14.164.64.64</b>	<b>A</b>	<b>Public</b>	<b>Valid</b>	<b>Not reserved</b>
<b>205.105.5.5</b>	<b>C</b>	<b>Public</b>	<b>Valid</b>	<b>Not reserved</b>

**Question 2:**

**IP=191.141.91.41**

**New IP =127.141.91.41**

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1288]
(c) Microsoft Corporation. All rights reserved.

C:\Users\123>ping 127.141.91.41

Pinging 127.141.91.41 with 32 bytes of data:
Reply from 127.141.91.41: bytes=32 time<1ms TTL=128
Reply from 127.141.91.41: bytes=32 time<1ms TTL=128
Reply from 127.141.91.41: bytes=32 time<1ms TTL=128
Reply from 127.141.91.41: bytes=32 time<1ms TTL=128

Ping statistics for 127.141.91.41:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\123>
```

**2)IP= 132.82.32.82**

**NEW IP=127.82.32.82**

```
C:\Users\123>ping 127.82.32.82

Pinging 127.82.32.82 with 32 bytes of data:
Reply from 127.82.32.82: bytes=32 time<1ms TTL=128
Reply from 127.82.32.82: bytes=32 time<1ms TTL=128
Reply from 127.82.32.82: bytes=32 time<1ms TTL=128
Reply from 127.82.32.82: bytes=32 time<1ms TTL=128

Ping statistics for 127.82.32.82:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\123>
```

**3)IP=73.23.123.23**

**NEW IP=127.23.123.23**

```
C:\Users\123>PING 127.23.123.23

Pinging 127.23.123.23 with 32 bytes of data:
Reply from 127.23.123.23: bytes=32 time<1ms TTL=128
Reply from 127.23.123.23: bytes=32 time<1ms TTL=128
Reply from 127.23.123.23: bytes=32 time<1ms TTL=128
Reply from 127.23.123.23: bytes=32 time<1ms TTL=128

Ping statistics for 127.23.123.23:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\123>
```

**4)IP=14.164.64.64**

## NEW IP=

```
C:\Users\123>PING 127.164.64.64

Pinging 127.164.64.64 with 32 bytes of data:
Reply from 127.164.64.64: bytes=32 time<1ms TTL=128
Reply from 127.164.64.64: bytes=32 time<1ms TTL=128
Reply from 127.164.64.64: bytes=32 time<1ms TTL=128
Reply from 127.164.64.64: bytes=32 time<1ms TTL=128

Ping statistics for 127.164.64.64:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\123>
```

## 5)IP=205.105.5.5

## NEW IP=

```
C:\Users\123>PING 127.105.5.5

Pinging 127.105.5.5 with 32 bytes of data:
Reply from 127.105.5.5: bytes=32 time<1ms TTL=128
Reply from 127.105.5.5: bytes=32 time<1ms TTL=128
Reply from 127.105.5.5: bytes=32 time<1ms TTL=128
Reply from 127.105.5.5: bytes=32 time<1ms TTL=128

Ping statistics for 127.105.5.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\123>
```

## Question 3

## Google

```
C:\Users\123>TRACERT google.com

Tracing route to google.com [142.250.181.78]
over a maximum of 30 hops:

  0  *          *          *          Request timed out.
  1  4 ms       4 ms       3 ms      39.32.0.1
  2  7 ms       3 ms       2 ms      10.80.80.6 [10.80.80.6]
  3  4 ms       4 ms       4 ms      10.4.1.5 [10.4.1.5]
  4  4 ms       4 ms       4 ms      10.253.12.36 [10.253.12.36]
  5  24 ms      24 ms      23 ms      10.253.4.38 [10.253.4.38]
  6  25 ms      24 ms      23 ms      10.253.4.26 [10.253.4.26]
  7  153 ms     221 ms     195 ms     74.125.146.188
  8  131 ms     131 ms     132 ms     209.85.241.201
  9  139 ms     139 ms     139 ms     142.251.50.217
 10  136 ms     136 ms     137 ms     fjr04s07-in-f14.1e100.net [142.250.181.78]

Trace complete.
```

## Yahoo

```
C:\Users\123>TRACERT yahoo.com
```

```
Tracing route to yahoo.com [98.137.11.164]  
over a maximum of 30 hops:
```

1	*	*	*	Request timed out.
2	20 ms	37 ms	6 ms	39.32.0.1
3	4 ms	4 ms	3 ms	10.80.80.2 [10.80.80.2]
4	13 ms	4 ms	4 ms	10.0.2.25 [10.0.2.25]
5	30 ms	24 ms	25 ms	10.253.4.22 [10.253.4.22]
6	155 ms	168 ms	188 ms	ge-1-3-0.pat1.dee.yahoo.com [80.81.192.115]
7	151 ms	158 ms	178 ms	ae-3.pat1.frz.yahoo.com [209.191.112.17]
8	154 ms	157 ms	169 ms	ae-0.pat2.frz.yahoo.com [209.191.112.49]
9	240 ms	239 ms	239 ms	ae-11.pat1.dce.yahoo.com [209.191.64.24]
10	242 ms	244 ms	242 ms	ae-14.pat2.che.yahoo.com [209.191.64.39]
11	265 ms	264 ms	327 ms	ae-6.pat1.dnx.yahoo.com [209.191.64.81]
12	287 ms	288 ms	288 ms	ae-8.pat2.gqb.yahoo.com [209.191.64.234]
13	289 ms	290 ms	312 ms	et-18-0-0.msr2.gq2.yahoo.com [66.196.67.127]
14	297 ms	298 ms	297 ms	et-1-1-0.clr1-a-gdc.gq2.yahoo.com [98.136.158.173]
15	297 ms	296 ms	296 ms	lo0.fab2-1-gdc.gq2.yahoo.com [98.136.159.246]
16	288 ms	290 ms	298 ms	usw1-1-lbc.gq2.yahoo.com [98.136.158.192]
17	293 ms	290 ms	289 ms	media-router-fp73.prod.media.vip.gq1.yahoo.com [98.137.11.164]

```
Trace complete.
```

## Instagram

```
C:\Users\123>TRACERT instagram.com
```

```
Tracing route to instagram.com [31.13.71.174]  
over a maximum of 30 hops:
```

1	*	*	*	Request timed out.
2	160 ms	4 ms	3 ms	39.32.0.1
3	4 ms	3 ms	3 ms	10.80.80.2 [10.80.80.2]
4	18 ms	21 ms	9 ms	10.4.1.5 [10.4.1.5]
5	30 ms	19 ms	4 ms	10.253.12.84 [10.253.12.84]
6	27 ms	*	*	10.253.4.18 [10.253.4.18]
7	29 ms	27 ms	28 ms	10.253.4.4 [10.253.4.4]
8	*	*	*	Request timed out.
9	312 ms	266 ms	257 ms	be2752.ccr32.mrs02.atlas.cogentco.com [154.54.38.34]
10	156 ms	156 ms	157 ms	be2780.ccr42.par01.atlas.cogentco.com [154.54.72.225]
11	292 ms	323 ms	292 ms	be3628.ccr42.jfk02.atlas.cogentco.com [154.54.27.169]
12	288 ms	288 ms	289 ms	be3496.ccr31.jfk10.atlas.cogentco.com [154.54.0.142]
13	285 ms	284 ms	305 ms	38.142.136.138
14	284 ms	283 ms	283 ms	po104.psw04.lga3.tfbnw.net [157.240.47.33]
15	281 ms	283 ms	280 ms	157.240.38.221
16	282 ms	289 ms	281 ms	instagram-p42-shv-01-lga3.fbcdn.net [31.13.71.174]

```
Trace complete.
```

