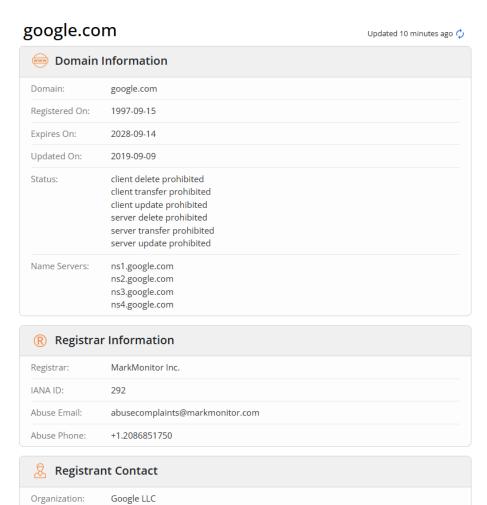
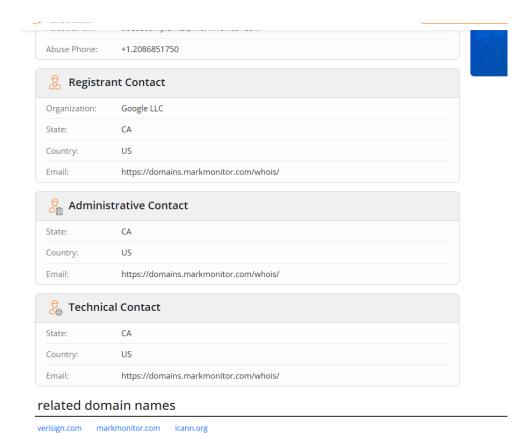
# **IS EXPERIMENT 9**

# Whois:





## Nslookup:

```
C:\Users\DJSCE.student>nslookup google.com
Server: MUMDC-PRIM.SVKMGRP.COM
Address: 192.168.2.51
Non-authoritative answer:
Name: google.com
Addresses: 2404:6800:4009:80f::200e
216.58.203.46
```

#### Traceroute:

```
C:\Users\DJSCE.student>tracert google.com
Tracing route to google.com [216.58.203.46]
over a maximum of 30 hops:
       36 ms
                14 ms
                         21 ms 10.120.96.1
                         14 ms 10.120.138.18
  2
       15 ms
                19 ms
                         18 ms 10.0.1.8
  3
       15 ms
                31 ms
                         16 ms 10.0.3.2
       14 ms
  4
                15 ms
                         23 ms 115.242.5.145
       34 ms
  5
                24 ms
                                Request timed out.
  6
       *
                *
                         *
  7
                                Request timed out.
                 *
                         6 ms 142.251.225.77
               42 ms
       25 ms
  8
  9
               155 ms
                                216.239.54.147
       97 ms
 10
       33 ms
                41 ms
                         25 ms hkg12s10-in-f14.1e100.net [216.58.203.46]
Trace complete.
```

#### FOR IPV4:

```
C:\Users\DJSCE.student>tracert -d -h 30 -w 100 google.com
Tracing route to google.com [216.58.203.46]
over a maximum of 30 hops:
  1
       42 ms
                16 ms
                          70 ms
                                 10.120.96.1
  2
       24 ms
                18 ms
                          19 ms
                                 10.120.138.18
  3
               293 ms
                                 10.0.1.8
        *
                          *
  4
                25 ms
                                10.0.3.2
       18 ms
                          51 ms
  5
      121 ms
                 *
                         450 ms 115.242.5.145
  6
                                 Request timed out.
        *
                 *
                           *
  7
                                 Request timed out.
        *
                 *
  8
                         188 ms 142.251.225.77
        *
  9
               257 ms
                                 216.239.54.147
                           *
        *
                         143 ms 216.58.203.46
 10
      118 ms
               187 ms
Trace complete.
```

## For ipv6:

```
C:\Users\DJSCE.student>tracert -d -h 30 -w 100 google.com
Tracing route to google.com [216.58.203.14]
over a maximum of 30 hops:
               90 ms
                        18 ms 10.120.96.1
 2
      14 ms
               30 ms
                        22 ms
                              10.120.138.18
                       117 ms
 3
     240 ms
                *
                               10.0.1.8
              116 ms
 4
      36 ms
                       131 ms
                               10.0.3.2
                       377 ms 115.242.5.145
 5
     134 ms
               *
 6
                               Request timed out.
                               49.44.18.38
 7
      39 ms
               40 ms
 8
                               Request timed out.
 9
                               Request timed out.
10
     171 ms
               50 ms
                        30 ms 142.251.225.77
               23 ms
11
      76 ms
                       18 ms 172.253.77.23
12
     105 ms
                        29 ms 216.58.203.14
Trace complete.
```