Aim: Study the use of network reconnaissance tool like whois, dig, traceroute, nslookup to gather information about network.

WHOIS Command: -

```
bishwajityM:-

bishwa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           bishwajit@bishwajitVM: ~
```

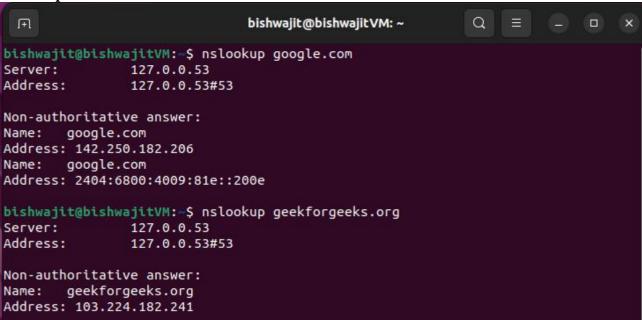
Dig Command: -

```
bishwajit@bishwajitVM: ~
 bishwajit@bishwajitVM:-$ dig geeksforgeeks.org
; <<>> DiG 9.18.1-1ubuntu1.1-Ubuntu <<>> geeksforgeeks.org
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 3129
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 4, ADDITIONAL: 9
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
                                                                 IN
;; ANSWER SECTION: geeksforgeeks.org.
                                                 30
                                                                 IN
                                                                                                  34.218.62.116
 ;; AUTHORITY SECTION:
geeksforgeeks.org.
geeksforgeeks.org.
                                                                 IN
IN
                                                                                                  ns-245.awsdns-30.com.
ns-1569.awsdns-04.co.uk.
                                                 1967
geeksforgeeks.org.
geeksforgeeks.org.
                                                 1967
1967
                                                                  IN
IN
                                                                                  NS
NS
                                                                                                  ns-869.awsdns-44.net.
ns-1520.awsdns-62.org.
 :: ADDITIONAL SECTION:
                                                                  IN
IN
IN
IN
                                                                                                  205.251.197.240
2600:9000:5305:f000::1
205.251.198.33
ns-1520.awsdns-62.org.
ns-1520.awsdns-62.org.
                                                 78595
                                                                                  A
AAAA
ns-1520.awsdns-62.org. 78595
ns-1569.awsdns-04.co.uk. 78582
ns-1569.awsdns-04.co.uk. 78582
                                                                                  A
AAAA
                                                                                                   2600:9000:5306:2100::1
205.251.192.245
ns-245.awsdns-30.com.
ns-245.awsdns-30.com.
ns-869.awsdns-44.net.
                                                                                  A
AAAA
                                                 78584
                                                                                                  2600:9000:5300:f500::1
205.251.195.101
2600:9000:5303:6500::1
                                                 78584
78580
                                                                  IN
IN
 ns-869.awsdns-44.net.
                                                  78580
;; Query time: 8 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Mon Sep 26 19:27:54 IST 2022
;; MSG SIZE rcvd: 375
```

Traceroute Command: -



Nslookup Command: -



Conclusion: -

We conclude that we learned different tools and commands to gather information of the target by using following command like nslookup, traceroute, dig and whois.