

// NAME: Rakesh Mahadev Bandi

//ROLL NO:3

//Class:SYCSE

// PRN NO:2024065738

//Subject: Computer Network 1

1. command: ping

```
C:\Users\Comp 1>ping www.google.com

Pinging www.google.com [142.250.77.68] with 32 bytes of data:
Reply from 142.250.77.68: bytes=32 time=33ms TTL=60
Reply from 142.250.77.68: bytes=32 time=32ms TTL=60
Reply from 142.250.77.68: bytes=32 time=32ms TTL=60
Reply from 142.250.77.68: bytes=32 time=33ms TTL=60

Ping statistics for 142.250.77.68:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 32ms, Maximum = 33ms, Average = 32ms

C:\Users\Comp 1>
```

2. command: NSLOOKUP

```
C:\Users\Comp 1>nslookup www.google.com
Server: csp1.zte.com.cn
Address: fe80::1

Non-authoritative answer:
Name: www.google.com
Addresses: 2404:6800:4009:81d::2004
           142.250.77.68

C:\Users\Comp 1>
```

3. command: TELNET

```
C:\Users\Comp 1>telnet www.google.com 4567
Connecting To www.google.com...Could not open connection to the host, on port 4567: Connect failed
```

4. command: NETSH

```
C:\Windows\system32\cmd.exe
C:\Users\Comp 1>
C:\Users\Comp 1>netsh interface

The following commands are available:

Commands in this context:
6to4          - Changes to the `netsh interface 6to4' context.
?             - Displays a list of commands.
dump          - Displays a configuration script.
help          - Displays a list of commands.
httpstunnel   - Changes to the `netsh interface httpstunnel' context.
ipv4          - Changes to the `netsh interface ipv4' context.
ipv6          - Changes to the `netsh interface ipv6' context.
isatap        - Changes to the `netsh interface isatap' context.
portproxy     - Changes to the `netsh interface portproxy' context.
set           - Sets configuration information.
show          - Displays information.
tcp           - Changes to the `netsh interface tcp' context.
teredo        - Changes to the `netsh interface teredo' context.

The following sub-contexts are available:
6to4 httpstunnel ipv4 ipv6 isatap portproxy tcp teredo

To view help for a command, type the command, followed by a space, and then
type ?.

C:\Users\Comp 1>_
```

5. command: PATHPING

```
operable program or batch file.

C:\Users\Comp 1>pathping www.google.com

Tracing route to www.google.com [142.250.77.68]
over a maximum of 30 hops:
 0  dads [192.168.1.239]
 1  csp1.zte.com.cn [192.168.1.1]
 2  100.100.0.1
 3  103.182.220.70
 4  103.173.136.73
 5  142.251.225.67
 6  142.250.238.197
 7  bom07s27-in-f4.1e100.net [142.250.77.68]

Computing statistics for 175 seconds...
```