

Q1.Try Test-Connection and nslookup commands for below websites

**www.google.com , www.facebook.com , www.amazon.com, www.github.co
, www.cisco.com**

Test-Connection is a PowerShell cmdlet used to check network connectivity to a remote computer or website.

```
Windows PowerShell
PS C:\Users\brindha> Test-Connection -ComputerName www.google.com -Count 4
```

Source	Destination	IPv4Address	IPv6Address	Bytes	Time(ms)
LAPTOP-3U2...	www.google.com	142.250.183.228	2404:6800:4007:81e::2004	32	131
LAPTOP-3U2...	www.google.com	142.250.183.228	2404:6800:4007:81e::2004	32	101
LAPTOP-3U2...	www.google.com	142.250.183.228	2404:6800:4007:81e::2004	32	87
LAPTOP-3U2...	www.google.com	142.250.183.228	2404:6800:4007:81e::2004	32	91

```
PS C:\Users\brindha> Test-Connection -ComputerName www.facebook.com -Count 4
```

Source	Destination	IPv4Address	IPv6Address
LAPTOP-3U2...	www.facebook.com	157.240.192.35	2a03:2880:f137:182:face:b...
LAPTOP-3U2...	www.facebook.com	157.240.192.35	2a03:2880:f137:182:face:b...
LAPTOP-3U2...	www.facebook.com	157.240.192.35	2a03:2880:f137:182:face:b...
LAPTOP-3U2...	www.facebook.com	157.240.192.35	2a03:2880:f137:182:face:b...

```
PS C:\Users\brindha> Test-Connection -ComputerName www.amazon.com -Count 4
```

Source	Destination	IPv4Address	IPv6Address
LAPTOP-3U2...	www.amazon.com	108.159.17.235	2600:9000:2354:d000:7:49a...
LAPTOP-3U2...	www.amazon.com	108.159.17.235	2600:9000:2354:d000:7:49a...
LAPTOP-3U2...	www.amazon.com	108.159.17.235	2600:9000:2354:d000:7:49a...
LAPTOP-3U2...	www.amazon.com	108.159.17.235	2600:9000:2354:d000:7:49a...

```
PS C:\Users\brindha> Test-Connection -ComputerName www.github.com -Count 4
```

Source	Destination	IPv4Address	IPv6Address
LAPTOP-3U2...	www.github.com	20.207.73.82	
LAPTOP-3U2...	www.github.com	20.207.73.82	
LAPTOP-3U2...	www.github.com	20.207.73.82	
LAPTOP-3U2...	www.github.com	20.207.73.82	

nslookup - query DNS servers for the IP address of a domain.

Helps in troubleshooting DNS resolution issues.

```
PS C:\Users\brindha> nslookup www.google.com
Server: UnKnown
Address: 192.168.195.37
```

```
Non-authoritative answer:
Name: www.google.com
Addresses: 2404:6800:4007:82b::2004
          142.250.183.228
```

```
PS C:\Users\brindha> nslookup www.facebook.com
Server: UnKnown
Address: 192.168.195.37
```

```
Non-authoritative answer:
Name: star-mini.c10r.facebook.com
Addresses: 2a03:2880:f34e:1:face:b00c:0:25de
          157.240.192.35
Aliases: www.facebook.com
```

```
PS C:\Users\brindha> nslookup www.amazon.com
Server: UnKnown
Address: 192.168.195.37
```

```
Non-authoritative answer:
DNS request timed out.
    timeout was 2 seconds.
Name: d3ag4hukkh62yn.cloudfront.net
Address: 108.159.17.235
Aliases: www.amazon.com
          tp.47cf2c8c9-frontier.amazon.com
```

```
PS C:\Users\brindha> nslookup www.github.com
Server: UnKnown
Address: 192.168.195.37
```

```
Non-authoritative answer:
Name: github.com
Address: 20.207.73.82
Aliases: www.github.com
```

```
PS C:\Users\brindha> nslookup www.cisco.com
Server: UnKnown
Address: 192.168.195.37
```