|  |  |
| --- | --- |
| Ex.No: 1 | **Networking Basic Commands** |
| Date : |

# Objectives:

To analyze the network basic commands.

# Introduction:

In networking there are various commands that can be used to check the connectivity of the networking devices and it is also required at time of troubleshooting of devices. We will be discussing few of the networking commands such as color help, ipconfig ,ipconfig/all ,nslookup ,tracert commands.

# Requirements:

1. End Device (Command Prompt)

2. Ethernet & Internet Services

3. Commands

Commands Execution:

1. ipconfig /all:

A screenshot of a computer

Description automatically generated

2. ping:

A computer screen with white text

Description automatically generated

3. tracert:

A screenshot of a computer

Description automatically generated

4. nsloopup:

A screen shot of a computer

Description automatically generated

5. netstat -an:

A screenshot of a computer

Description automatically generated

6. route print:

A screenshot of a computer program

Description automatically generated

7. arp -a:

A computer screen with white text

Description automatically generated

8. getmac:

A screenshot of a computer

Description automatically generated

9. nbtstat -n:

A screenshot of a computer screen

Description automatically generated

10. netsh interface ip show config:

A screen shot of a computer

Description automatically generated

11. pathping:

A computer screen shot of a black screen

Description automatically generated

12. systeminfo:

A computer screen shot of a computer program

Description automatically generated

13.sc query dhcp:

A screenshot of a computer program

Description automatically generated

14. powercfg /energy:

A computer screen with white text

Description automatically generated

15. net share:

A screenshot of a computer

Description automatically generated