**LAB: ASSIGNMENT 3**

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ping command is one of the most often used networking utilities for detecting devices on a network and for troubleshooting network problems.

hostname command that displays the host name of your machine.

ipconfig frequently used utility that is used for finding network information about your local machine like ip addresses, dns addresses etc.

nbtsat diagnostic tool for troubleshooting netbios problems

netstat used for displaying information about tcp and udp connections and ports.

getmac command that shows the mac address of your network interfaces

arp for showing the address resolution cache. this command must be used with a command line switch -a is the most common.

tracert command prints the path. if all routers on the path are functional, this command prints the full path.

path command specifies the location where ms-dos should look when it executes a command.

route command allows you to make manual entries into the network routing tables.

pathping after sending out packets from you to a given destination, it analyzes the route taken and computes packet loss on a per-hop basis.