

### LAB: Assignment 3

**Objective: To understand some Networking Commands**

**Instructions: The instructor is required to run and discuss the output of the following networking command on DOS prompt.**

hostname	ipconfig	getmac	ping	arp
nbtstat	route	path	pathping	netstat
tracert				

Practice the command mentioned in above table and fill in the blanks below:-

Command	Working
_____	command is one of the most often used networking utilities for detecting devices on a network and for troubleshooting network problems.
_____	command that displays the host name of your machine
_____	frequently used utility that is used for finding network information about your local machine like ip addresses, dns addresses etc.
_____	diagnostic tool for troubleshooting netbios problems
_____	used for displaying information about tcp and udp connections and ports.
_____	command that shows the mac address of your network interfaces
_____	for showing the <b>address resolution cache</b> . this command must be used with a command line switch <b>-a</b> is the most common.
_____	command prints the path. if all routers on the path are functional, this command prints the full path.
_____	command specifies the location where ms-dos should look when it executes a command.
_____	command allows you to make manual entries into the network routing tables.
_____	after sending out packets from you to a given destination, it analyzes the route taken and computes packet loss on a per-hop basis.