**Commands Brief Description**

1. **arp** displays and modifies entries in the Address Resolution Protocol (ARP) cache, which contains one or more tables that are used to store IP addresses and their resolved Ethernet or Token Ring physical addresses. There is a separate table for each Ethernet or Token Ring network adapter installed on your computer. Used without parameters, arp displays help
2. **arping** Ping destination on device interface by ARP packets, using source address source.
3. **ifconig** You can use the ifconfig command to assign an address to a network interface and to configure or display the current network interface configuration information. The ifconfig command must be used at system startup to define the network address of each interface present on a system.
4. **ping** The ping command is used to verify that a device can communicate with another on a network
5. **netstat** The netstat command is used to show detailed network status information.
6. **route** is a command used to view and manipulate the IP routing table in both Unix-like and Microsoft Windows operating systems
7. **ethereal** is a free network protocol analyzer for Unix and Windows

**Socket**: A socket is one endpoint of a two-way communication link between two programs running on the network. A socket is bound to a port number so that the TCP layer can identify the application that data is destined to be sent to. An endpoint is a combination of an IP address and a port number.