Red Hat Linux Server
Module – 6

o **Full form of " ping "**
The full form of "ping" is "Packet Internet Groper".

o **What is the use of " ping " command ?**
The ping command sends Internet Control Message Protocol (ICMP) packets to a specified host and receives a response. This process is used to check the network connectivity between the host and server/host.

o **What is the meaning of "prefix" is ?**
A prefix is the path on your host computer a software package is installed under. Packages that have a prefix will place all parts under the prefix path. Packages for your host computer typically use a default prefix of /usr/local on Linux.

o **Which protocol is used in PING ?**
Internet Control Message Protocol (ICMP)

o **Port number of ICMP ?**
ICMP has no ports and is neither TCP nor UDP.

o **What is network ID and broadcast ID in IP range ?**
Network ID: This is the identifier for a network, which is used to determine which network a host belongs to. It's generally comprised of one to up to four octets in dotted-decimal representation. The network ID is determined by performing a logical AND operation between the IP address and the subnet mask.
Broadcast ID: This is a special address used to send data to all devices on a network. It's typically the last address in an IP range. The broadcast ID is determined by performing a logical OR operation between the network address and the inverted subnet mask.

o **What is gateway ?**
Gateway is a device or software that connects a local network to other networks, such as the internet. The gateway monitors and controls all the incoming and outgoing traffic of the network.

o **What is SeLinux?**

Security-Enhanced Linux (SELinux) is a security architecture for Linux systems that allows administrators to have more control over who can access the system. It was originally developed by the United States National Security Agency (NSA) as a series of patches to the Linux kernel using Linux Security Modules (LSM).

o **Which command is used to manage IP addressing in linux 7.0 ?**

Ifconfig is short for Interface Configuration and is a Linux command-line utility used to display, configure and manage your network interfaces.

o **By default which name will assign to network card in RHEL ?**

eno1, enp2s0, eth0, ens33

o **Which command is used to add/create a new network connection?**

In Linux, the **nmcli** command is used to add or create a new network connection. The **nmcli** command is a command-line client for NetworkManager, which is a system network service that manages network devices and connections.

o **From which command is used to show the network connection?**

The **netstat** command: It can display network connections, routing tables, interfaces and much more.