**Linux Assignment-3**

1. What is the use of input, output and error redirection

Input redirection

* It is nothing but collecting the input from the files

Syntax: cat < <filename>

Output redirection

* It is nothing but we are going to pass an output from some other files

Syntax: cat > <filename>

Or

Syntax; cat >> <filename>

Error redirection

* we are getting error in the terminal at that time based on error redirection we can redirect the error in any files

syntax; tonch file1 2> file

1. use of networking commands and list the networking commands

* Based on networking commands we can get the information about ip address, server information, routing tables, ports and domain information

Networking commands:

1. Ping – packet information groper

* It is used to get the information about public ip address, response speed and check whether application is running or not

Syntax; ping <software.com>

1. Dig – domain information groper

* It is used to get the information about domain name server

Syntax; dig <software.com>

1. Nslookup

* It is used to get the information about the domain

Syntax; nslookup <software.com>

1. Ifconfig

* It is used to get the information about ip related

Syntax; ifconfig

1. Route

* It is used to get the information about the routing table

Syntax; route

1. Netstat

* It is used to get the information about ports, routing tables, connections and interface statistics

Syntax; netstat

1. Host

* It is used to get the information about ipv4 and ipv6 address

Syntax; host <software.com>

1. Last

* It is used to get the information about the login information of users

Syntax; last

1. Disk utility along with list of commands

* It is used to get the information about disk spaces,

1. Fdisk

* It is fdisk stands for fixed disk

Syntax; fdisk -l

1. Parted

* It is useful for creating space for new operating system, reorganizing disk usage and copying data to new hard disks

Syntax; parted -l

1. List block

* It is used to display a list of information about all available block devices

Syntax; lsblk

1. Disk usage

* It is used to get the information about available space, used space and total space

Syntax; df -h

h indicates human readable language