1. What is a Shell?

That which enables the user to communicate with the computer is a shell examples are ms dos, google…

1. What is path?

A location of a file/directory following the directory tree hierarchy. a specific unique location in a file system. Includes a string of characters in which paths components separated by a delimiting character, reprenting each directory.also known as the pathname.

1. What is ssh?

Secure shell is a method for secure remote login from one computer to another. It provides several alternative options for strong authentication and it protects the communications security and intergrity with strong encryption.

1. What is putty?

It is a free ssh, it is a free and open source terminal emulator, serial console and network file transfer application, it supports several network protocols including ssh, scp. It can also connect to a serial port.

1. What is Unix?

It is an operating system first developed in the 1960s.it is the program that makes the computer work.it is stable, multi user, multi-tasking system for servers, desktops, lap tops.

1. what is a Kernel?

It is the outermost part of the operating system that interacts with user commands.

1. What is a GUI?

Graphical user interface is a type of user interface that allows users to interact with electronic devices through graphical icons and visual indicators.

1. what is Linux?

It is a family of free and open source software operating system built around the linux kernel.it is packaged in a linux distro for desktop and server use.

1. what is an Open Source ?

it is a software in which the original source code is made freely available and may be redristributed and modified

2- What are some linux flavors?

Ubuntu,fedora, linux mint, debian, openSUSE, PCLinuxOS, Mandriva, CENTos, red heart, kali

3- Who are the unix founders ?

Denis Ritchie and Ken Thompson

4- Who is the linux founder?

Torvalde Linus

5- what are some devices that runs linux?

Android, gps, refrigerator,smart phones, computers, smart tv,ATM machines

6- What flavor of linux would we study?

centOS, red heart.

7- is linux an open source software? why?

Yes it is because the source code is freely available for users to modify that is why we have the other linux flavors like Ubuntu, and so many other people working on it.

8- One of your colleague complains that thier computer is not connecting on the network

1. what can be the problem?

Can be the network, it can be a layer 1 problem or layer 2 or even layer 3 problems.

1. How would you troubleshoot it?

Ask some questions then ask to check the swith or cable, check IP address,Turn the sshd on to enable connectivity.

1. What command would you type to turn on the ssh daemon?

#service sshd start

9- For users to be able to access a server remotely, we need to setup that server to accept putty

Connection.

1. What is the daemon that enables the putty connection?

Sshd

1. How do you check if it is running?

Service sshd status service sshd start

c- Check your centos's sshd service

d- Start it.service sshd start

f- Login to your homecentos though putty.

g- from putty, create two accounts one for student and one for student1 ( give them redhat as password)

su adduser or useradd

h- How would you display the content of grub.conf file

vi grub.conf

1. There is a file on your system called grub.conf, what is the path to that file?

Vi /boot/grub/grub.conf

j- Display the content of grub.conf