1. What is Linux?

Ans: **Linux is not a an O.S, but it is a kernel developed by Linus Trovalds.**

1. What is the difference between Linux and Unix?

**Ans: Linux is a Kernel which interacts with the hardware of a system while Unix is an Operating system.**

1. What is Linux Kernel? Is it legal to edit Linux Kernel?

**Ans: Linux Kernel acts as an interface between the hardware of the system and all the different processes of it.**

**Linux is open source and is developed by a huge community of developers contributing to it and adding their own features.**

1. What is LILO?

**Ans: It is a Linux Loader/BootLoader of linux which is used to boot up the Linux system.**

1. What are the basic components of Linux?

**Ans: - Bootloader and Kernel**

**-init systems**

**-Daemons**

**-X Server**

**-Desktop Env**

**-Applications**

1. Which are the Shells used in Linux?

**Ans: BASH Shell, C Shell, Bourne Shell, Korn Shell, Z Shell.**

1. What is Swap Space?

**Ans: When the space is in short of or run out of in the memory, it uses disk space to swap and store data.**

1. What is the difference between BASH and DOS?

**Ans: Both are command based. But bash is case sensitive in commands whereas DOS is not.**

**In DOS it is ‘/’ that acts as a directory path.**

**In BASH it is ‘\’ in the directory path.**

1. What command would you use to check how much memory is being used by Linux?

**Ans: We can use the free command.**

1. Explain file permission in Linux.

**Ans: It is divided into 3 types:**

**-User**

**-Group**

**-Others**

**Rwx Rwx Rwx**

**Chmod is used to change permission of a particular file.**

**There are three types of file permissions:**

**-Read**

**-Write**

**-Execute.**

**-There are two ways to change permissons:**

**1) Symbolic Mode**

**2) Numerical Mode.**