**Linux Revised:**

* **Difference between linux and unix?**
* Both strong operating systems.

**Linux**: it is free and open source widely used on everything from personal computers and servers.

* Faster updates and bug fixes.
* **Unix:**
* It is a proprietary system mainly used in enterprise environment
* Not open source
* Need license to use it
* Updates tend to be slower
* **Flexibility**: linux supports a wide range of file systems and hardware making it super versatile.
* **Unix** is more specialized and tailored for specific enterprise level tasks.
* **What is shell in linux? How is it different from bash?**
* **Shell: -** basically a command line interface that lets you interact with the operating system.
* Shell handle scripting.
* Command history
* Job control.
* **Popular shells in Linux:**
* Bash
* Zsh
* Fish.
* Bash: bourne again shell. Improved version of the original borune shell(sh)
* Extra features like better scripting tools, command line editing and support for arrays and functions.
* **Basic components of linux operating system:**
* Five components of linux operating system

1. Kernel
2. System library
3. System utility
4. Applicaion software
5. Bootloader

* **How do you check your current path/directory?**
* Pwd.
* **How can you check for free disk space?**
* Df
* Df -h
* **What are the different ways to view the content of a file without using the cat**

**command?**

* Less
* More
* Head
* Tail
* Nl.
* **How do you check the current IP address of your linux server?**
* Ip a
* **What is a package manager in linux, and why is it useful?**
* A package manager in linux is a tool that automates the process of installing, updating,configuring and removing software packages.
* It simplifies software management by handling dependencies, version control and updates.
* **How do you terminate an ongoing process in linux?**
* Kill.