Day1

**Day2 19/01/2023**

* Unix is 1st corporate(commercial) os and its very powerful & secure os introduced in CLI mode, now GUI is also there in real time we use mostly CLI mode only.
* Unix got started in 1969 from 1980’s onwards full fledged introduced Unix has different versions
* AIX by IBM, HP Unix by HP
* Unix introduced by Bell Laboratory(AT &T) team
* **Unix & Linux both are different OS, but belongs to Unix Like family**
* UNIX is a vendor priority OS, If we purchase AIX os then we need to purchase IBM servers.
* To overcome the above issue Linus Torvalds cloned the Unix That is Linux
* Linux (CLI & GUI) by Linus Torvalds 1990-1991. From 1991 onwards open source. 800+ versions where present in Linux.
* Linux is not user friendly

How Linux is secure than windows?

**Day3 20/01/2023**

**Unix** **Architecture**

**Hardware-> Processor**

**Kernel** is heart of OS-> **Mono Kernel (Linux), Micro Kernel (windows), and kernel manages device info, file system info, Device info**

**Red Hat Enterprise language 7.0, 8.0 BASH ->**  **Shell ->SH, KSH, CSH**

**Commands (ls, cat) => Program**

**User-> Monitor**

**Bash= Born Again Shell**

* To know kernel version in Linux(#uname –a or –r)

**How to install OS**

**Port** is a logical communication channel

We will be having 0 to 65535 port

1 to 1023 are reserved ports

1024 to 65535 ports

**23/01/2023**

**In Linux directory = folder**

**/** is the top level directory or root directory or parent directory

Every data is stored in /, is the mount point for root directory **“/”**

**/root is the home directory for root user it will provide default work environment for the root user.**

**/ = top level directory**

**/dev**

**/proc,(background running process, CPU and memory information )**

**/opt(optional for usr)(3rd party program files)**

**/usr(unix sharable resources)**

**Contains program files**

**/sbin(contain root (root)user executable files)**

**/bin(contain normal user executable files)**

**/etc(contains configuration files**

**/boot(contains bootable files)**

**/home(home directory for normal user)**

**/root(default Env for root user)**

Grub 2->7.0,8.0,9.0

Grub-> RHEL 6.0

LILO-> 5.0,4.0,3.0,2.0

**/mnt(empty directory)**

**/var /log**