**File System in linux**

EXT – extended file system

EXT1 – older version, No longer used

EXT2- allows user to manage 2TB data.

EXT3- upgraded version of EXT2

* Contains backward compatibility
* Drawback – does not support servers
  + Does not support file recovery

EXT4- compatible for SSD

* Default file system in linux

JFS – can be used in place of EXT4 where stability is needed

Reiser FS – alternative of EXT3

XFS – developed for parralel I/O

* NASA uses this

Btrfs – used for fault tolerance

* Not good for production system

Swap file system – used for memory paging

**File management related commands:**

Ls: List all file, folders

Ls -l: detailed information of all files

Ls –a: list out hidden file

Touch: create empty file

Mkdir: making directory

Rmdir: remove directory

Rm: remove file

Mv [source] [dest] : move file

Mv [file 1] [file 2] : rename file

Wc filename: list lines words characters in file

Find: search file

Locate: search file in all directories

Grep: searches pattern in particular file

Df –h: see space in system file

What is difference between find and locate?

* Ans: find commands search the file in current directory whereas locate command search the file in all directories.