Linux File Systems :

File Types :

-Regular file (text, binary)

-Directory file (“.”, “..”)

-FIFO file (a named pipe for process communication)

-Character device file (/dev/cua0)

-Block device file (/dev/hda1)

Commands:  
-cat, rm, sort, more, ls, ln, stat, chmod

-mkdir, rmdir, mknod(root), mkfifo, cd

-File systems in Linux have tree-like hierarchical structure

-Path (absolute and relative path name)

-Limits (NAME\_MAX, PATH\_MAX)

Common Directories of Linux :

-/etc/passwd  
-/etc/group

-/dev

-/bin & /sbin  
-/usr/include & /usr/local/include  
-/usr/lib & /usr/local/lib  
-/tmp

File Attributes :

-File type: ls –l

-Access permission for owner, group, and others (rwx)  
-Owner name and group name  
-Size in bytes and timestamp (last modified)

-Examples :

-rw-r—r-- 1 smith users 1413375 Jun 28 22:06 setup.exe

lrwxr-xr-x 1 smith student 10 Jan 17 17:34 s1 -> test.dat