Session 1

du – disk usage
df – disk free space
dd
hexdump
od

Session 2

PID from 0 to 65535 or 32767 (Configurable)
0 to MAX
0 to X -> System Processes
X + 1 to MAX -> User processes

init

lightdm

upstart

gnome-terminal

CTRL + Z -> Stop the current running process
CTRL + C -> Terminate the current processing

fg -> Fore ground
bg -> back ground

Session 3
find -> To search for file/s

-name
-print

grep -> Search for pattern in the file/s

Session 4
Miscellaneous commands – history, tee, free, alias
vmstat

Session 5
Archiving and Compressing (uncompress)
Archiving (tar, cpio)
Compress/Uncompress (GNU, BZ2, LZMA)

Archive – Single File (Consisting of many files/directories)

I. Archiving (tar, cpio)
II. Compress and Uncompress
III. CPIO with tar (Generate tar file using cpio)
IV. Archive + Compress in one go (tar)

tar (Tape Archive)
c – create
t – test
x – extract
f – file
v – verbose

cpio
o – create
i – extract
p – pass-through
v – verbose

gzip -> Jean & Mark Adler
bz2 -> Burrows Wheeler Algorithm
lzma -> Lemper Ziv Morkov Chain Algorithm

gzip -> gzip, gunzip
bz2 -> bzip2, bunzip2
lzma -> lzma, unlzma

Session 6
Archive + Compress in one go (tar)
2 Ways
1. tar output pipe to compress
2. Using tar options

tar options
-z -> gzip
j -> bz2
--lzma -> lzma

Viewing compressed file contents through zcat, bzcat and vi