

**1. Tar Archive**

- a. Create a tar archive file of your home directory – `tar -cvf backup.tar .`
- b. Create a tar archive file – `tar -cvf etcbackup.tar /etc` ( become root )
- c. Move the etcbackup.tar to another directory root/Backups
- d. Create tar.gz file – `tar -cvfz etcbackup.tar.gz /etc`
- e. Move the gz file to root/Backups
- f. Create a tar.gz archive file of your home directory
- g. Create tar.bz2 archive file – `tar -cvfj etcbackup.tar.bz2 /etc`
- h. Move the bz file to root/Backups and compare the archive files using `ls -lh`
- i. Create tar.bz2 file of your home directory
- j. Untar files in the present directory
  - i. `tar -xvf backup.tar`
- k. Untar files in specified directory
  - i. `Tar -xvf backup.tar -C /tmp/backup` (create dir tmp/backup under your home directory)
- l. Create tar archive file of a directory CEO under your home directory named CEOBackup.tar
- m. List all files under CEOBackup.tar using `tar -tvf CEOBackup.tar`
- n. Add more files and directories to CEOBackup.tar using
  - i. `tar -rvf CEOBackup.tar file1 file2 file3 / dir1 dir2`
- o. Untar single files / multiple files and dirs using
  - i. `tar -xvf CEOBackup.tar file1 file2 file3 /dir1 dir2`
- p. Delete a file or directory from the tar archive using
  - i. `tar --delete -f CEOBackup.tar file1 /dir1`

**2. Gzip archive**

- a. Create a gzip archive of file(s)
  - i. `gzip filename`
  - ii. `gzip filename1 filename2 filename3`
- b. Create a gzip file keeping the original file
  - i. `gzip -k filename`
- c. check out `gzip -v filename cmd`
- d. Create a gzip file for tar archive file CEOBackup.tar
  - i. `gzip CEObackup.tar` (this way you can archive the directory and then apply gzip for compression)
- e. Create a gzip file for directory with subdirectories and files and observe
  - i. `gzip -r dirname`
- f. decompress gzip files
  - i. `gzip -d filename(s)`
  - ii. `gunzip filename(s)`
  - iii. `gzip -dr dirname`
  - iv. `gunzip -r dirname`
  - v. `gzip -dk filename` (keeping the compressed file)
- g. list the contents of gzip file/dir
  - i. `gzip -l filename.gz`
  - ii. `gzip -lr dirname`

**3. bzip2 archive**

- a. Create a bzip2 archive of file(s)
  - i. bzip2 filename
  - ii. bzip2 filename1 filename2 filename3
- b. Create a bzip2 file keeping the original file
  - i. bzip2 -k filename
- c. check out bzip2 -v filename cmd
- d. Create a bzip2 file for tar archive file CEOBackup.tar
  - i. bzip2 CEObackup.tar (this way you can archive the directory and then apply gzip for compression)
- e. decompress bzip2 files
  - i. bzip2 -d filename(s)
  - ii. bunzip2 filename(s)
  - iii. bzip2 -dk filename (keeping the compressed file)