**I To take backup by using 'tar' command**

**1) check the size of partition data**

**# du -sh /var**

**2) To take backup by using 'gunzip' (gz)**

**# tar -cvzf <dest.. dir/file.ext> <source dir>**

**# tar -cvzf /media/a.tar.gz /var**

**3) Check the sizes**

**# du -sh /var**

**# du -sh /media/a.tar.gz**

**4) To check data backup**

**# tar -tvzf <dest.. dir/file>**

**# tar -tvzf /media/a.tar.gz**

**5) To restore data**

**# tar -xvzf <dest../file.ext> -C <new dir>**

**# tar -xvzf /media/a.tar.gz -C /opt**

**# ls /opt (to check new backup data)**

**II To Backup data by using 'cpio'**

**1) Enter into source dir**

**# cd /root**

**# ls -d <file> | cpio -ov > <dest.. dir>**

**# ls -d Desktop a\* | cpio -ov > /media/b.cpio**

**2) To check backup data**

**# cpio -tf < /media/b.cpio**

**3) To restore data**

**# cpio -iv < /media/b.cpio**

**# ls (to list new restored data)**