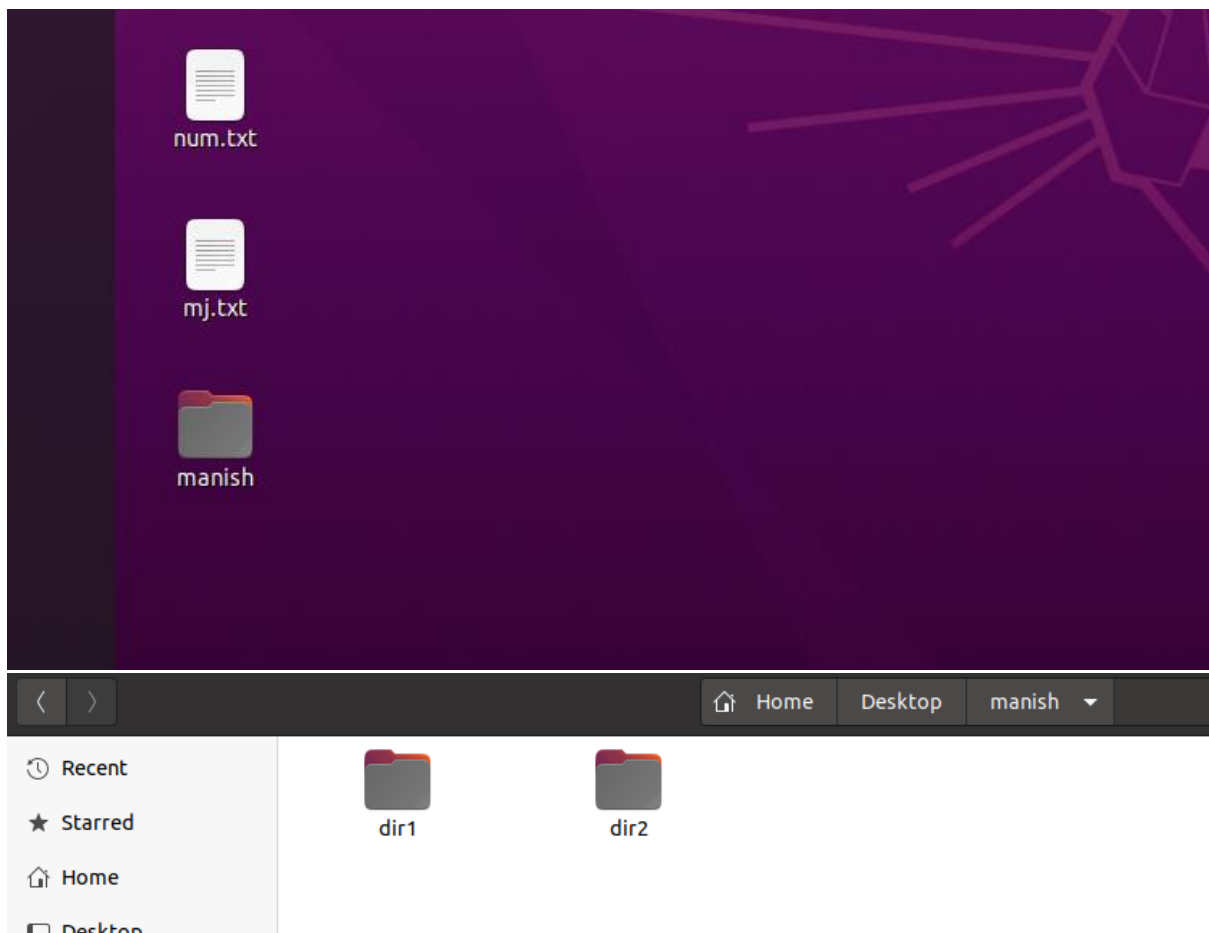# Experiment No. 6

Aim: Backing up and restoring files: Selecting backup strategy, Magnetic tape, Writable CD`s, Backing up hard drive, Backing up files with dump, Automating back up, Restoring backed up files.

1. Create folder on desktop and create 2 folders in it:

2. Create an uncompressed tar archive of files:

```
manish28@ubuntu:~$ cd Desktop
manish28@ubuntu:~/Desktop$ tar cvf file.tar manish
manish/
manish/dir2/
manish/dir1/
manish28@ubuntu:~/Desktop$
```

3. Viewing the archive using option -tfv:

```
manish28@ubuntu:~/Desktop$ tar tfv file.tar
drwxrwxr-x manish28/manish28 0 2023-05-09 01:34 manish/
drwxrwxr-x manish28/manish28 0 2023-05-09 01:34 manish/dir2/
drwxrwxr-x manish28/manish28 0 2023-05-09 01:34 manish/dir1/
manish28@ubuntu:~/Desktop$
```

4. Extracting files from archive using option -xvf:

```
manish28@ubuntu:~/Desktop$ tar xvf file.tar
manish/
manish/dir2/
manish/dir1/
manish28@ubuntu:~/Desktop$
```

5. Option -czfv:

```
manish28@ubuntu:~/Desktop$ tar czfv file.tar.gz manish
manish/
manish/dir2/
manish/dir1/
manish28@ubuntu:~/Desktop$
```

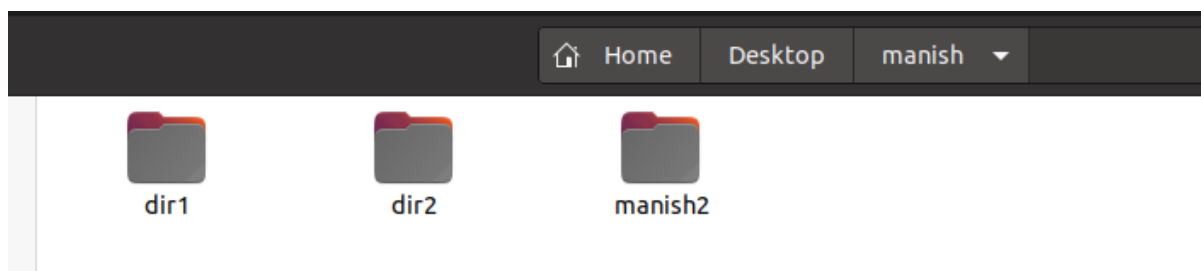### 6. Option rm (to remove files from archive) and list those files:

```
manish28@ubuntu:~/Desktop$ rm -rf file
manish28@ubuntu:~/Desktop$ ls
file.tar  file.tar.gz  file.tgz  jadhav.txt  manish  manish2  manish.txt  mj.txt  num.txt
manish28@ubuntu:~/Desktop$
```

7. To extract the files in an archived form and listing them:

```
manish28@ubuntu:~/Desktop$ tar -xvf file.tar.gz
manish/
manish/dir2/
manish/dir1/
manish28@ubuntu:~/Desktop$ ls
file.tar  file.tar.gz  file.tgz  jadhav.txt  manish  manish.txt  mj.txt  num.txt
manish28@ubuntu:~/Desktop$
```

8. Changing directory to working folder and creating a new folder:

```
manish28@ubuntu:~/Desktop$ cd manish
manish28@ubuntu:~/Desktop/manish$ mkdir manish2
manish28@ubuntu:~/Desktop/manish$
```

Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)