VPM'S B.N.BANDODKAR COLLEGE OF SCIENCE THANE(W)
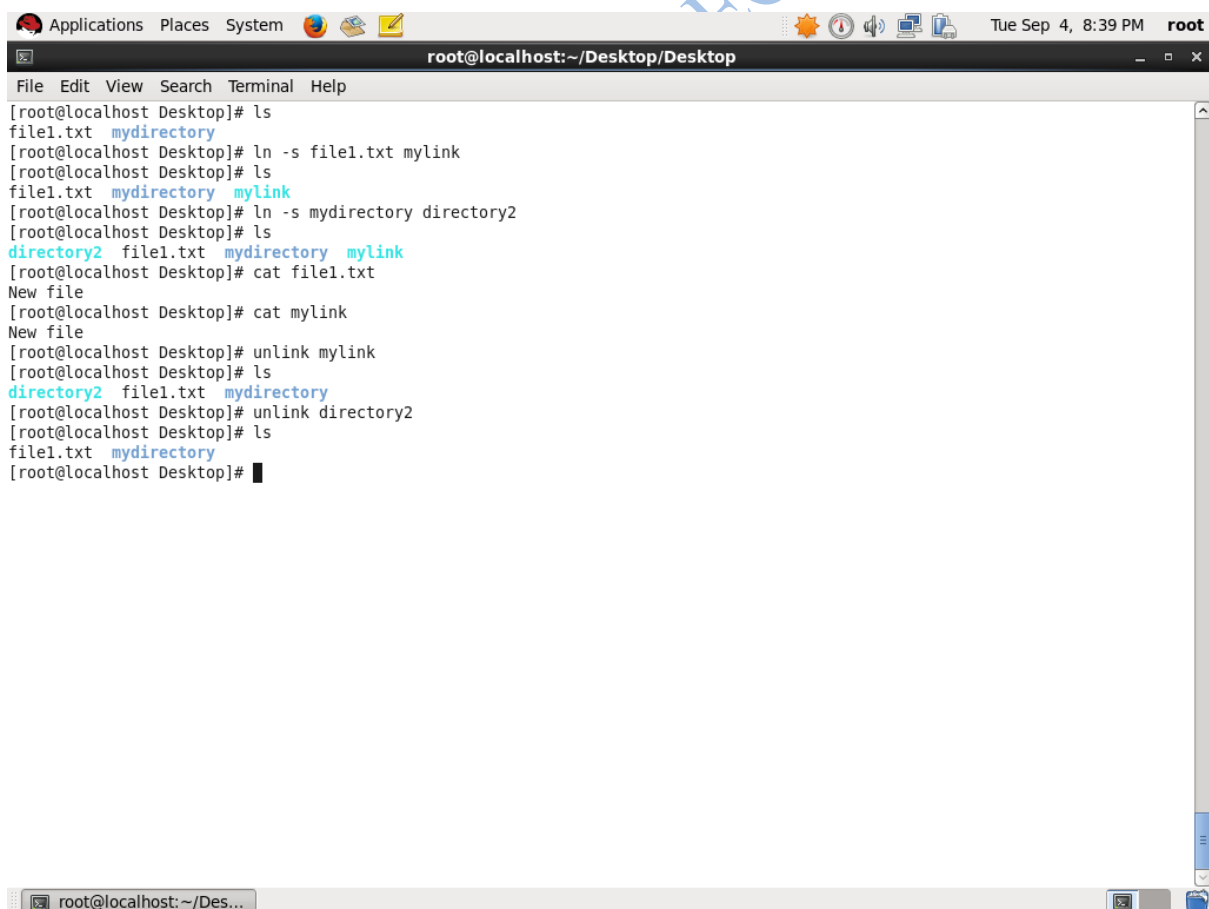
DEPARTMENT OF IT

TYBSc IT Sem5 LINUX SYSTEM ADMINISTRATION PRACTICAL MANUAL

Practical 2

A.Working with Links.

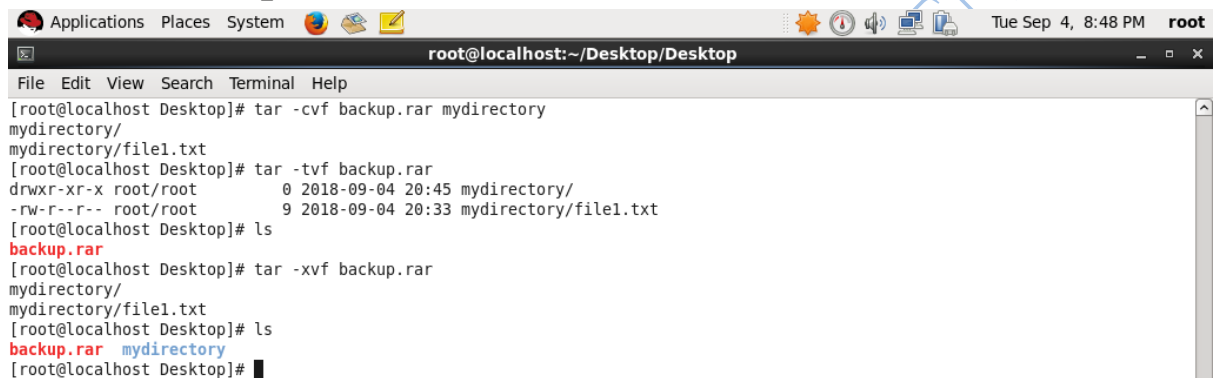- **Create a symbolic link to redirect to a directory.**
- **Create a symbolic link to open another file.**

B.Making backup of files

- For compression. The command will be as follows

  tar -cvf [compression file name] [file to be compressed]
- For content viewing

  tar -tvf [compressed file name]
- For Extraction
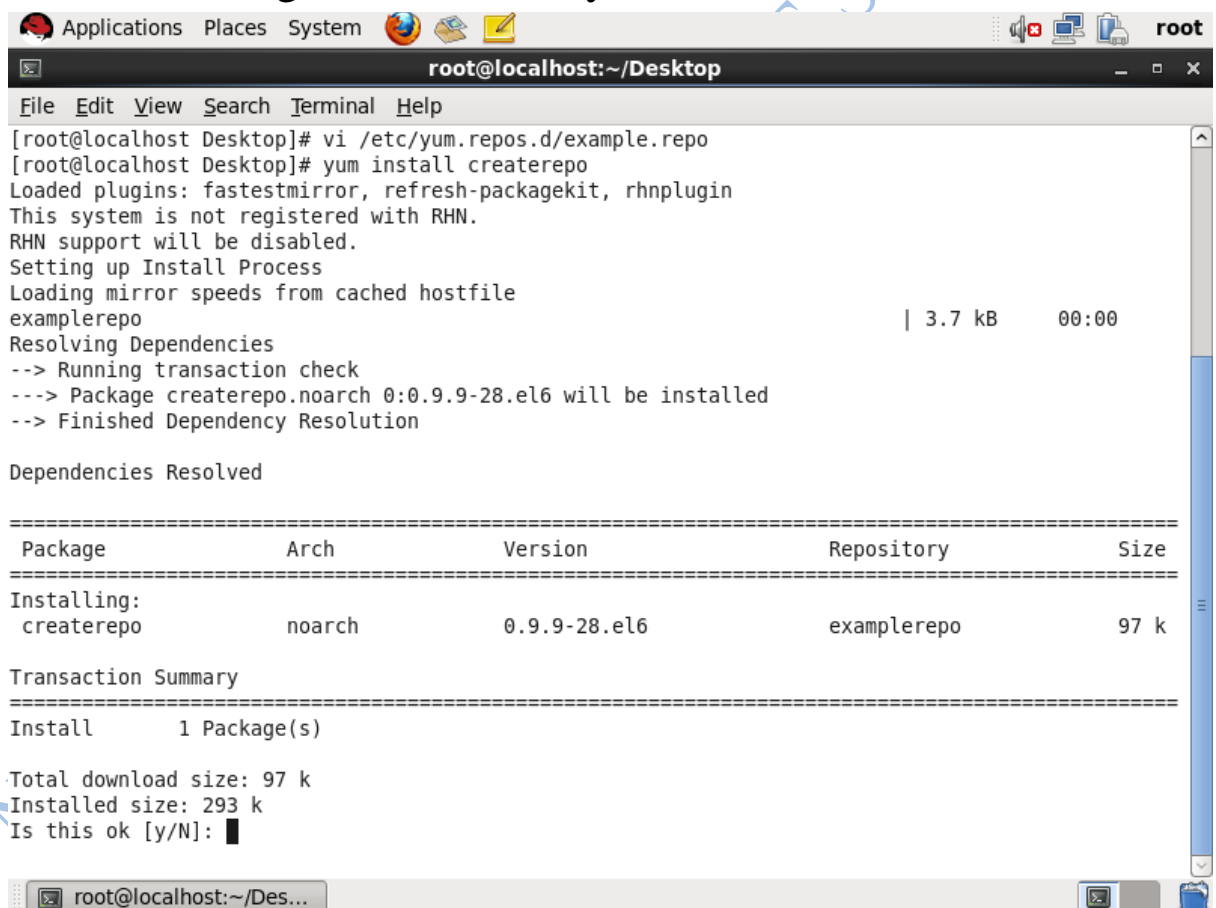
  tar -xvf [compressed file name]

C.Creating Repositories

- In this practical we will demonstrate the use the Yum repositories.
- The repository will be created in /etc/yum.repos.d/
- We have to create .repo file.
- In this file we'll add following parameters BaseID,Name,BaseUrl,Enabled,gpgcheck
- Use yum install createrepo
- After installing we can add any software.

```
Applications  Places  System                                    root

                      root@localhost:~/Desktop                  _  □  ×

File  Edit  View  Search  Terminal  Help

[root@localhost Desktop]# vi /etc/yum.repos.d/example.repo
[root@localhost Desktop]# yum install createrepo
Loaded plugins: fastestmirror, refresh-packagekit, rhnplugin
This system is not registered with RHN.
RHN support will be disabled.
Setting up Install Process
Loading mirror speeds from cached hostfile
examplerepo                                        | 3.7 kB    00:00
Resolving Dependencies
--> Running transaction check
---> Package createrepo.noarch 0:0.9.9-28.el6 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package          Arch          Version              Repository          Size
================================================================================
Installing:
 createrepo       noarch        0.9.9-28.el6         examplerepo         97 k

Transaction Summary
================================================================================
Install       1 Package(s)

Total download size: 97 k
Installed size: 293 k
Is this ok [y/N]: █

  root@localhost:~/Des...
```

root@localhost:~/Desktop

File Edit View Search Terminal Help

```
[examplerepo]
name=Example Reository
baseurl=http://mirror.cis.com/CentOS/6/os/i386/
enabled=1
gpgcheck=0
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~
"/etc/yum.repos.d/example.repo" 5L, 107C
```

🖥 root@localhost:~/Des...

root@localhost:~/Desktop   _ □ X

File Edit View Search Terminal Help

```
Dependencies Resolved

================================================================================
 Package            Arch            Version          Repository         Size
================================================================================
Installing:
 createrepo         noarch          0.9.9-28.el6     examplerepo        97 k

Transaction Summary
================================================================================
Install       1 Package(s)

Total download size: 97 k
Installed size: 293 k
Is this ok [y/N]: y
Downloading Packages:
createrepo-0.9.9-28.el6.noarch.rpm                          |  97 kB     00:02
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing : createrepo-0.9.9-28.el6.noarch                              1/1
  Verifying  : createrepo-0.9.9-28.el6.noarch                              1/1

Installed:
  createrepo.noarch 0:0.9.9-28.el6

Complete!
[root@localhost Desktop]# yum install nmap
```

🖥 root@localhost:~/Des...

```
Applications  Places  System

                    root@localhost:~/Desktop                              root

File  Edit  View  Search  Terminal  Help

[root@localhost Desktop]# yum install -y nmap
Loaded plugins: fastestmirror, refresh-packagekit, rhnplugin
This system is not registered with RHN.
RHN support will be disabled.
Setting up Install Process
Loading mirror speeds from cached hostfile
Resolving Dependencies
--> Running transaction check
---> Package nmap.i686 2:5.51-6.el6 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package          Arch            Version             Repository          Size
================================================================================
Installing:
 nmap             i686            2:5.51-6.el6        examplerepo         2.7 M

Transaction Summary
================================================================================
Install       1 Package(s)

Total download size: 2.7 M
Installed size: 9.7 M
Downloading Packages:


 root@localhost:~/Des...
```