Karthik Pradeep Hegadi

2KE20CS032

Assignment 5

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

Previously I have installed and took screen sorts.

Package management

1. Install Apache server (httpd) using yum

sudo yum install httpd

2. Install Python version above 3 using zip/tgz source code installation:

I have downloaded development tool for zip/tgz

Using command sudo yum group install "Development Tools"

Extract python

```
[lusi@localhost ~]$ tar -xvf Python-3.9.7.tgz
Python-3.9.7/
Python-3.9.7/Python/
Python-3.9.7/Python/pystrtod.c
Python-3.9.7/Python/importlib.h
Python-3.9.7/Python/Python-ast.c
Python-3.9.7/Python/hamt.c
Python-3.9.7/Python/bltinmodule.c
Python-3.9.7/Python/context.c
Python-3.9.7/Python/future.c
Python-3.9.7/Python/pystrcmp.c
Python-3.9.7/Python/symtable.c
Python-3.9.7/Python/ast unparse.c
Python-3.9.7/Python/condvar.h
Python-3.9.7/Python/getopt.c
Python-3.9.7/Python/dynload dl
```

Cd python and config the settings

```
[lusi@localhost ~]$ cd Python-3.9.7
[lusi@localhost Python-3.9.7]$ ./configure --enable-optimizations checking build system type... x86_64-pc-linux-gnu checking host system type... x86_64-pc-linux-gnu checking for python3.9... python3.9 checking for --enable-universalsdk... no checking for --with-universal-archs... no checking MACHDEP... "linux" checking for gcc... gcc checking whether the C compiler works... yes checking for C compiler default output file name... a.out
```

Make command to install exe file

```
[lusi@localhost ~]$ cd Python-3.9.7
[lusi@localhost Python-3.9.7]$ sudo make install
[sudo] password for lusi:
```

3. Display the python 3 version using command

```
lusi@localhost ~]$ python3 --version
ython 3.9.7
[lusi@localhost ~]$
```

4.Install any software using rpm

Downloard the package sing wget command

```
[lusi@localhost ~]$ wget http://mirror.centos.org/centos/7/os/x86_64/Packages/ksh-20120801-142.el7.x86_64.rpm
--2023-05-24 01:59:02-- http://mirror.centos.org/centos/7/os/x86_64/Packages/ksh-20120801-142.el7.x86_64.rpm
Resolving mirror.centos.org (mirror.centos.org)... 45.122.221.183, 2406:da14:d02:6501:83d:3d3c:fc36:b359
Connecting to mirror.centos.org (mirror.centos.org)|45.122.221.183|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 905540 (884K) [application/x-rpm]
Saving to: 'ksh-20120801-142.el7.x86_64.rpm'
 196KB/s in 5.0s
2023-05-24 01:59:11 (175 KB/s) - 'ksh-20120801-142.el7.x86_64.rpm' saved [905540/905540]
```

Install using rpm command

```
[lusi@localhost ~]$ rpm -i ksh-20120801-142.el7.x86_64.rpm
[lusi@localhost ~]$ ppm -1 ksh-2012003-142.e17.x0c_o4.rpm
error: can't create transaction lock on /var/lib/rpm/.rpm.lock (Permission denied)
[lusi@localhost ~]$ sudo rpm -i ksh-20120801-142.e17.x86_64.rpm
[sudo] password for lusi:
[lusi@localhost ~]$ ls
 [lusi@localhost -]$ sudo rpm -i ksh-20120801-142.el7.x86_64.rpm
package ksh-20120801-142.el7.x86_64 is already installed
 [lusi@localhost ~]$
```

5.Uninstall Apache server

```
[lusi@localhost ~]$ sudo yum remove httpd
[sudo] password for lusi:
Loaded plugins: fastestmirror
```

6.Uninstall the software which is installed in step4 using "rpm-e" command

Install

```
[lusi@localhost ~]$ rpm -e ksh-20120801-142.el7.x86_64
rror: can't create transaction lock on /var/lib/rpm/.rpm.lock (Permission denied)
[lusi@localhost ~]$ sudo rpm -e ksh-20120801-142.el7.x86_64
```

verification

```
lusi@localhost ~]$ sudo yum list installed ksh-20120801-142.el7.x86_64
oaded plugins: fastestmirror.
oading mirror speeds from cached hostfile.
* base: bd.mirror.vanehost.com
* extras: bd.mirror.vanehost.com
* updates: mirror-hk.koddos.net
rror: No matching Packages to list
[lusi@localhost ~]$
```

7. Write the command to list all the packages installed using yum

```
lusi@localhost ~]$ sudo yum repolist
oaded plugins: fastestmirror
oading mirror speeds from cached hostfile
* base: mirrors.nxtgen.com
* extras: mirrors.nxtgen.com
* updates: mirrors.nxtgen.com
        o id
se/7/x86_64
        tras/7/x86_64
dates/7/x86_64
olist: 15,541
si@localhost ~]$
```

```
[lusi@localhost ~]$ sudo yum list installed Loaded plugins: fastestmirror Loading mirror speeds from cached hostfile * base: repo.extreme-ix.org * extras: repo.extreme-ix.org * updates: repo.extreme-ix.org Installed Packages Installed Packages Installed Packages NetworkManager-1ibnm.x86_64 NetworkManager-x86 64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64 NetworkManager-1ibnm.x86_64
                                                                                                                                                                                                                                                                               1:1.18.4-3.el7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                             1:1.18.4-3.el7
1:1.18.4-3.el7
1:1.18.4-3.el7
1:1.18.4-3.el7
1:1.18.4-3.el7
1:1.18.4-3.el7
1:2.51-15.el7
1.4.8-7.el7
1.5.2-6.el7
2.8.5-4.el7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
@anaconda
@anaconda
  NetworkManager-team.x86_64
NetworkManager-tui.x86_64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
@anaconda
NetworkManager-tui
acl.x86_64
apr.x86_64
apr-util.x86_64
audit.libs.x86_64
audit-libs.x86_64
authconfig.x86_64
avahi-libs.x86_64
basesystem.noarch
bash.x86_64
bash-completion.no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
@base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @base
@anaconda
                                                                                                                                                                                                                                                                           2.8.5-4.el7

2.8.5-4.el7

6.2.8-30.el7

6.6.31-20.el7

10.0-7.el7.centos

4.2.46-34.el7

12.1-8.el7

32:9.11.4-16.P2.el7_8.2

2.27-43.base.el7

4.9.1-1.el7

1.0.6-13.el7

1.0.6-13.el7

2019.2.32-76.el7_7

70.0.6-3.el7.centos

7-8.2003.0.el7.centos

1.7.4-1.el7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
@anaconda
bash.x86_64
bash-completion.noarch
bind-export-libs.x86_64
binutils.x86_64
biosdevname.x86_64
btrfs-progs.x86_64
bzip2.x86_64
bzip2-libs.x86_64
ca-certificates.noarch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      @anaconda
@koji-override-1
@anaconda
@anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
@anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
ca-certificates.noarch
centos-logos.noarch
centos-release.x86_64
chkconfig.x86_64
chrony.x86_64
cifs-utils.x86_64
coreutils.x86_64
cpio.x86_64
cpp.x86_64
crpcklib.x86_64
cracklib.x86_64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        @base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                             7-8.2003.0.e.
1.7.4-1.el7
3.4-1.el7
6.2-10.el7
8.22-24.el7
2.11-27.el7
4.8.5-44.el7
2.9.0-11.el7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @anaconda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @base
```