

Assignment-3

Configure your system in such a way that when a user type and executes a `describe` command from anywhere of the system it must list all the files and folders of the user's current directory.

Ex:- `$ describe`
`$ content1 content2`
`Content3 content 4`

Solution:

1. To achieve this for a particular user we can add aliasing in `.bashrc` file.

Steps:

1. Go to the home directory of that user by using `cd` commands
>> `cd`

```
sigmoid@sigmoid:~$ cd
sigmoid@sigmoid:~$ pwd
/home/sigmoid
sigmoid@sigmoid:~$
```

2. Look for `.bashrc` file using `ls -a` command
>> `ls -a .bashrc`

```
sigmoid@sigmoid:~$ ls -a .bashrc
.bashrc
sigmoid@sigmoid:~$
```

3. Open that file using editor like `vi` or `nano`
>> `nano .bashrc`

```
sigmoid@sigmoid:~$ nano .bashrc
```

4. Add the aliasing in the file or end of the file
>> `alias describe = 'ls'`
and save the file.

```
GNU nano 7.2
# user defined aliasing
alias describe='ls'
```

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5. After adding the aliasing run source .bashrc command so that it come into effect.

>> *source .bashrc*

```
sigmoid@sigmoid:~$ source .bashrc
```

Now when you run \$ describe command it will display list of directories and files of the user's current directory.

```
sigmoid@sigmoid:~$ describe
anaconda3  Documents  jnotebook      Linux_content  Music
Desktop    Downloads  Linux_Assignment  linux_tutorial  MyPack
sigmoid@sigmoid:~$
```

2. To achieve this for all user of the system we can add the aliasing globally in .bashrc file of /etc.

Steps:

1. Switch to root user by using sudo su command.

>> *sudo su*

```
sigmoid@sigmoid:~$ sudo su
root@sigmoid:/home/sigmoid#
```

1. Go to the /etc directory by using cd commands

>> *cd /etc*

```
root@sigmoid:/home/sigmoid# cd /etc
root@sigmoid:/etc#
```

2. Look for bashrc file using ls -a command

>> *ls -a bashrc*

```
root@sigmoid:/etc# ls -a bashrc
bashrc
```

3. Open that file using editor like vi or nano

>> *vi bashrc*

```
root@sigmoid:/etc# nano bashrc
root@sigmoid:/etc#
```

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4. Add the aliasing in the file or end of the file

```
>> alias describe = 'ls'
```

and save the file.

```
#Global aliasing

alias describe='ls'
```

5. After adding the aliasing run source .bashrc command so that it come into effect.

```
>> source .bashrc
```

```
root@sigmoid:/etc# source bashrc
root@sigmoid:/etc#
```

Now when you run \$ describe command by any user of the system it will display list of directories and files of the user's current directory.

```
root@sigmoid:/etc# describe
adduser.conf          docker                krb5.conf.d
aliases               dpkg                 kubernetes
aliases.db            e2scrub.conf        ldap
alsa                  emacs                ld.so.cache
alternatives           environment          ld.so.conf
anacrontab            environment.d        ld.so.conf.d
apache2               ethertypes           legal
apg.conf              fonts                libao.conf
apm                   fprintd.conf        libaudit.conf
apparmor              fstab                libblockdev
apparmor.d            fuse.conf            libnl-3
appport               fwupd               libpaper.d
appstream.conf        gai.conf             libreoffice
```

```
sigmoid@sigmoid:~$ describe
anaconda3  Documents  jnotebook      Linux_content  Music
Desktop    Downloads  Linux_Assignment linux_tutorial  MyPack
sigmoid@sigmoid:~$
```