Assignment - User Management Task

Name: Gowsalya   Referral Id: DIRSS3128

Q1. We need to create directory inside the current user documents folder with the name as /home/user/Documents/photos, /home/user/Documents/videos, /home/user/Documents/audio

- copy all the files starting with the name either a, b, c from the folder of your Desktop [any folder] copy it inside the documents.

- from the documents if the file is starting with {a} copy it to videos

- if files or folders starting with { a or c} put it inside the audio

- put files starting with {b} inside the photos folder & make sure the file size is less than 5 MB

- Create the tar & compression of file inside the desktop for the all the 3 folders

- for the audio folder create a symbolic link inside the /tmp folder with any name

```
gowsiyogi2@cloudshell:~$ mkdir Document Folder
gowsiyogi2@cloudshell:~$ cd Document/
gowsiyogi2@cloudshell:~/Document$ mkdir Audios  Videos  Photos
gowsiyogi2@cloudshell:~/Document$ cd ..
gowsiyogi2@cloudshell:~$ cd Folder/
gowsiyogi2@cloudshell:~/Folder$ touch abc.txt boot.txt code.txt access callback backup dash.txt test.txt
gowsiyogi2@cloudshell:~/Folder$ ls
abc.txt  access  backup  boot.txt  callback  code.txt  dash.txt  test.txt
gowsiyogi2@cloudshell:~/Folder$ cp /home/gowsiyogi2/Folder/[a-c]* /home/gowsiyogi2/Document/
gowsiyogi2@cloudshell:~/Folder$ cd ..
gowsiyogi2@cloudshell:~$ cd Document/
gowsiyogi2@cloudshell:~/Document$ ls
abc.txt  access  Audios  backup  boot.txt  callback  code.txt  Photos  Videos
```

```
gowsiyogi2@cloudshell:~/Document$ ls
abc.txt  access  Audios  backup  boot.txt  callback  code.txt  Photos  Videos
gowsiyogi2@cloudshell:~/Document$ cp a* /home/gowsiyogi2/Document/Videos/
gowsiyogi2@cloudshell:~/Document$ cp [a,c]* /home/gowsiyogi2/Document/Audios/
gowsiyogi2@cloudshell:~/Document$ cp b* /home/gowsiyogi2/Document/Photos/
gowsiyogi2@cloudshell:~/Document$ cd Videos/
gowsiyogi2@cloudshell:~/Document/Videos$ ls
abc.txt  access
gowsiyogi2@cloudshell:~/Document/Videos$ cd ..
gowsiyogi2@cloudshell:~/Document$ cd Audios/
gowsiyogi2@cloudshell:~/Document/Audios$ ls
abc.txt  access  callback  code.txt
gowsiyogi2@cloudshell:~/Document/Audios$ cd ..
gowsiyogi2@cloudshell:~/Document$ cd Photos/
gowsiyogi2@cloudshell:~/Document/Photos$ ls
backup  boot.txt
```

```
gowsiyogi2@cloudshell:~/Document/Photos$ find . -size -5M
.
./backup
./boot.txt
```

```
gowsiyogi2@cloudshell:~/Document$ tar -cvzf aoc.tar.gz Audios Videos Photos
Audios/
Audios/access
Audios/code.txt
Audios/callback
Audios/abc.txt
Videos/
Videos/access
Videos/abc.txt
Photos/
Photos/backup
Photos/boot.txt
gowsiyogi2@cloudshell:~/Document$ ls
abc.txt  access  aoc.tar.gz  Audios  backup  boot.txt  callback  code.txt  Photos  Videos
gowsiyogi2@cloudshell:~/Document$ ln -s /home/gowsiyogi2/Document/Audios SymbolicLink
gowsiyogi2@cloudshell:~/Document$ ls
abc.txt  access  aoc.tar.gz  Audios  backup  boot.txt  callback  code.txt  Photos  SymbolicLink  Videos
```

Q2. You need to create a user with the userid as 5000

- At the same time of creating the user set the password for the user

- Set the secondary group of that user as {sales}

- Also give the home directory to the user you are creating

- also add the comment as in form of date when creating user

- Set the shell of that user to {sh shell }   [Using a single command]

```
gowsiyogi2@cloudshell:~$ pwd
/home/gowsiyogi2
gowsiyogi2@cloudshell:~$ mkdir Files
gowsiyogi2@cloudshell:~$ cd Files
gowsiyogi2@cloudshell:~/Files$ sudo useradd -u 5000 -p 1234 -c '08/08/2022' -s /sh/shell Gowsalya
useradd: Warning: missing or non-executable shell '/sh/shell'
useradd: user 'Gowsalya' already exists
gowsiyogi2@cloudshell:~/Files$ sudo groupadd sales
gowsiyogi2@cloudshell:~/Files$ sudo usermod -a -G sales Gowsalya
gowsiyogi2@cloudshell:~/Files$ cat /etc/passwd |grep Gowsalya
Gowsalya:x:5000:5000:08/08/2022:/home/Gowsalya:/sh/shell
gowsiyogi2@cloudshell:~/Files$ id Gowsalya
uid=5000(Gowsalya) gid=5000(Gowsalya) groups=5000(Gowsalya),5001(sales)
```

Q3. Create any four user ram, shyam, babu, aman

- Set their account to expire in 90 days

- Create a group sales & marketing add ram, shyam to sales

- add babu, aman to marketing

- make sure all the four user got the home directory

- give a comment "REGex users" at time of creating the user itself

[Group should be allocated to all the user at time of creating the user]

```
gowsiyogi2@cloudshell:~$ mkdir folder
gowsiyogi2@cloudshell:~$ cd folder/
gowsiyogi2@cloudshell:~/folder$ sudo useradd -c "REGex users" -e 2022-01-01 ram
gowsiyogi2@cloudshell:~/folder$ sudo useradd -c "REGex users" -e 2022-01-01 shyam
gowsiyogi2@cloudshell:~/folder$ sudo useradd -c "REGex users" -e 2022-01-01 babu
gowsiyogi2@cloudshell:~/folder$ sudo useradd -c "REGex users" -e 2022-01-01 aman
gowsiyogi2@cloudshell:~/folder$ sudo groupadd sales
gowsiyogi2@cloudshell:~/folder$ sudo groupadd marketing
gowsiyogi2@cloudshell:~/folder$ sudo usermod -G sales ram
gowsiyogi2@cloudshell:~/folder$ sudo usermod -G sales shyam
gowsiyogi2@cloudshell:~/folder$ sudo usermod -G marketing babu
gowsiyogi2@cloudshell:~/folder$ sudo usermod -G marketing aman
gowsiyogi2@cloudshell:~/folder$ groups ram
ram : ram sales
gowsiyogi2@cloudshell:~/folder$ groups shyam
shyam : shyam sales
gowsiyogi2@cloudshell:~/folder$ groups babu
babu : babu marketing
gowsiyogi2@cloudshell:~/folder$ groups aman
aman : aman marketing
```

Q4. You have to change the username of the user, without deleting, changing or affecting the data its data

- Give the expiry date of the user, that the account should expire after 2 days from the date you have created the account.

```
gowsiyogi2@cloudshell:~/folder$ sudo usermod -l shree -d /home/shree -m shyam
gowsiyogi2@cloudshell:~/folder$ cat /etc/passwd | grep shree
shree:x:5006:5008:REGex users:/home/shree:/bin/sh
gowsiyogi2@cloudshell:~/folder$ sudo usermod -e 2020-08-10 shree
gowsiyogi2@cloudshell:~/folder$ sudo chage -l shree
Last password change                                    : Aug 08, 2022
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : Aug 10, 2020
Minimum number of days between password change          : 0
Maximum number of days between password change          : 99999
Number of days of warning before password expires       : 7
```