Chandan Pati | linux assignment 2 | Roll no :243509

```
Q.1 Create group and user as given below
Red
      apple
      banana
      cat
      dog
      elephant
Soln:
Blue
      fish
      gun
      horse
      icecream
green
      jelly
      kitkat
      lolipop
      marshmallow
orange
      new
      oppo
```

vivo

china

users created

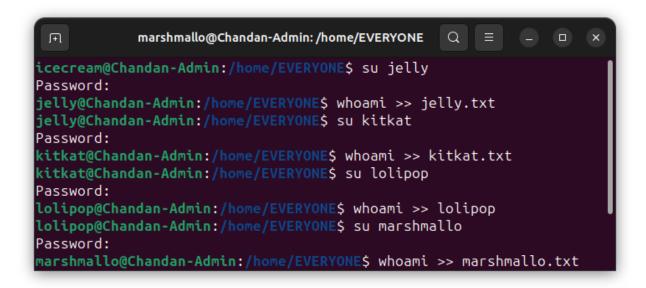
```
sambashare:x:136:dbda
red:x:1001:apple,banana,cat,dog,elephant
blue:x:1002:fish,gun,horse,icecream
green:x:1003:jelly,kitkat,lolipop,marshmallow
orange:x:1004:new,oppo,vivo,china
```

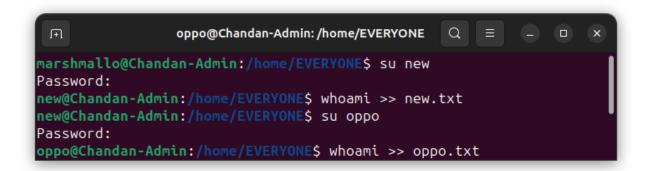
a. create directory named EVERYONE in /home. Give all permission to EVERYONE

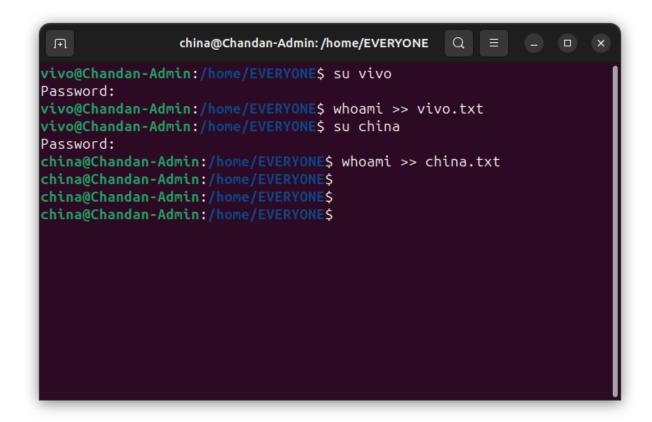
```
chandan@Chandan-Admin: /home
chandan@Chandan-Admin:/home$ pwd
/home
chandan@Chandan-Admin:/home$ sudo mkdir EVERYONE
chandan@Chandan-Admin:/home$ sudo chmod 777 EVERYONE/
chandan@Chandan-Admin:/home$ ls -l
total 92
drwxr-x--- 2 apple
                                 4096 Mar 11 20:01 apple
                         Red
drwxr-x--- 2 banana
                         Red
                                 4096 Mar 11 20:08 banana
                                 4096 Mar 10 19:25 bob
drwxr-x--- 2 apple
                         Blue
drwxr-x--- 2 cat
                                 4096 Mar 11 20:04 cat
                         Red
drwxr-x--- 19 chandan
                         chandan 4096 Mar 10 19:09 chandan
drwxr-x--- 2 china
                                 4096 Mar 11 21:49 china
                         orange
drwxr-x--- 2 dog
                         Red
                                 4096 Mar 11 20:04 dog
drwxr-x--- 2 elephant
                        Red
                                 4096 Mar 11 20:04 elephant
                                 4096 Mar 11 21:52
drwxrwxrwx 2 root
                         root
drwxr-x--- 2 fish
                         Blue
                                 4096 Mar 11 21:21 fish
                         Blue
                                 4096 Mar 11 21:23 gun
drwxr-x--- 2 gun
                                 4096 Mar 11 21:25 horse
drwxr-x--- 2 horse
                         Blue
```

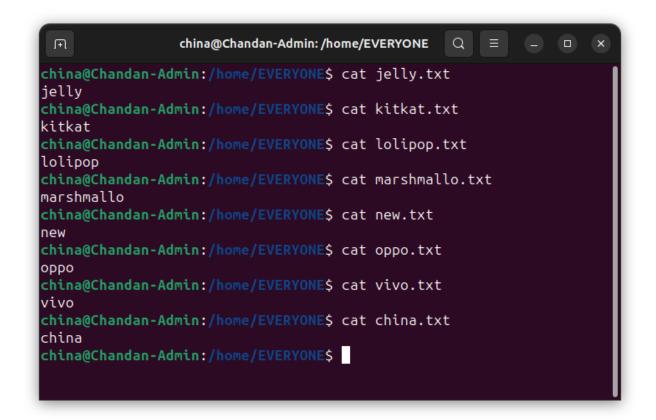
b. Create a file with every user (whoami >> username.txt)

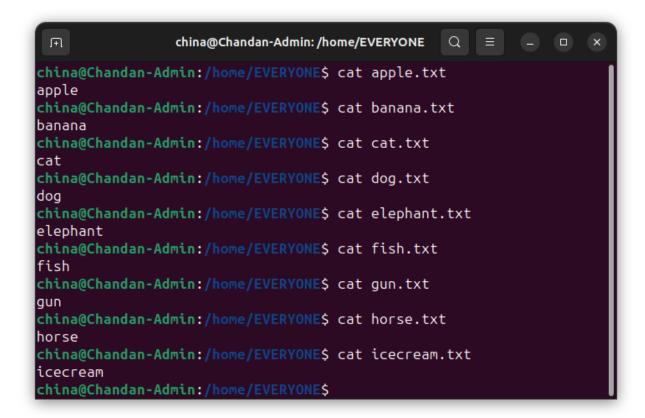
```
Ħ
              icecream@Chandan-Admin: /home/EVERYONE
chandan@Chandan-Admin:/home/EVERYONE$ su apple
Password:
apple@Chandan-Admin:/home/EVERYONE$ whoami >> apple.txt
apple@Chandan-Admin:/home/EVERYONE$ su banana
Password:
banana@Chandan-Admin:/home/EVERYONE$ whoami >> banana.txt
banana@Chandan-Admin:/home/EVERYONE$ su cat
cat@Chandan-Admin:/home/EVERYONE$ whoami >> cat.txt
cat@Chandan-Admin:/home/EVERYONE$ su dog
Password:
dog@Chandan-Admin:/home/EVERYONE$ whoami >> dog.txt
dog@Chandan-Admin:/home/EVERYONE$ su elephant
Password:
elephant@Chandan-Admin:/home/EVERYONE$ whoami >> elephant.txt
elephant@Chandan-Admin:/home/EVERYONE$ su fish
Password:
fish@Chandan-Admin:/home/EVERYONE$ whoami >> fish.txt
fish@Chandan-Admin:/home/EVERYONE$ su gun
Password:
gun@Chandan-Admin:/home/EVERYONE$ whoami >> gun.txt
gun@Chandan-Admin:/home/EVERYONE$ su horse
Password:
horse@Chandan-Admin:/home/EVERYONE$ whoami >> horse.txt
horse@Chandan-Admin:/home/EVERYONE$ su icecream
Password:
icecream@Chandan-Admin:/home/EVERYONE$ whoami >> icecream.txt
```











oppo -> primary group change -> one vivo -> primary group change -> two





jelly, kitkat, lolipop, marshmallow -> add these users to sudo group

```
chandan@Chandan-Admin:~

chandan@Chandan-Admin:~
$ sudo adduser jelly sudo
info: Adding user `jelly' to group `sudo' ...
chandan@Chandan-Admin:~
$ sudo adduser kitkat sudo
info: Adding user `kitkat' to group `sudo' ...
chandan@Chandan-Admin:~
$ sudo adduser lolipop sudo
info: Adding user `lolipop' to group `sudo' ...
chandan@Chandan-Admin:~
$ sudo adduser marshmallo sudo
info: Adding user `marshmallo' to group `sudo' ...
chandan@Chandan-Admin:~
$ cat /etc/group | grep 'sudo'
sudo:x:27:chandan,jelly,kitkat,lolipop,marshmallo
chandan@Chandan-Admin:~
$
```

fish,gun -> add these users to one group as well (secondary group)

Q.2 Create Numbers.txt which will contain numbers from 1-50

a. display first 15 numbers

b. display last 10 numbers

```
chandan@Chandan-Admin:~ Q = - □ ×

chandan@Chandan-Admin:~$ tail Numbers.txt

41

42

43

44

45

46

47

48

49

50

chandan@Chandan-Admin:~$
```

```
Q =
      chandan@Chandan-Ad...
chandan@Chandan-Admin:~$ tac Numbers.txt
chandan@Chandan-Admin:~$ clear
```

d.display numbers which includes 4 in it

```
chandan@Chandan-Admin:~ Q = - - ×

chandan@Chandan-Admin:~$ grep 4 Numbers.txt

4

14

24

34

40

41

42

43

44

45

46

47

48

49

chandan@Chandan-Admin:~$
```

Q.3 create Student.txt file as given below

Rollno:name:marks

1111:Ram:87

2222:Sham:69

3333:Teena:58

4444:Priya:74

- a. Display only details of sham
- b. Display only marks of Priya
- c. Display total number of lines in student.txt

soln: