```
hr1@server:/tmp
  login as: sunbeam
  sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Thu Oct 19 09:37:07 2023
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo useradd  amit
[sudo] password for sunbeam:
[sunbeam@server ~]$ sudo useradd   nilesh
[sunbeam@server ~]$ sudo useradd  vishal
[sunbeam@server ~]$ sudo useradd   gajanan
[sunbeam@server ~]$ sudo useradd    onkar
[sunbeam@server ~]$ echo "amit:test" | sudo chpasswd
[sunbeam@server ~]$ echo "nilesh:test" | sudo chpasswd
[sunbeam@server ~]$ echo "vishal:test" | sudo chpasswd
[sunbeam@server ~]$ echo "gajanan:test" | sudo chpasswd
[sunbeam@server ~]$ echo "onkar:test" | sudo chpasswd
[sunbeam@server ~]$ sudo groupadd tct
[sunbeam@server ~]$ sudo usermod -g tct amit
[sudo] password for sunbeam:
[sunbeam@server ~]$ sudo usermod -g tct vishal
[sunbeam@server ~]$ sudo usermod -g tct gajanan
[sunbeam@server ~]$ sudo usermod -g tct onkar
[sunbeam@server ~]$ sudo usermod -g tct nilesh
[sunbeam@server ~]$ id amit
uid=1001(amit) gid=1006(tct) groups=1006(tct)
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo useradd  rohit
[sunbeam@server ~]$ sudo useradd   rupam
[sunbeam@server ~]$ sudo usermod -g admin rohit
usermod: group 'admin' does not exist
[sunbeam@server ~]$ sudo groupadd admin
[sunbeam@server ~]$ sudo usermod -g admin rohit
[sunbeam@server ~]$ sudo usermod -g admin rupam
[sunbeam@server ~]$ sudo groupadd hr
[sunbeam@server ~]$ sudo useradd   nitin
[sunbeam@server ~]$ sudo useradd    prashant
[sunbeam@server ~]$ sudo usermod -g hr nitin
[sunbeam@server ~]$ sudo usermod -g hr prashant
[sunbeam@server ~]$ sudo groupadd account
[sunbeam@server ~]$ sudo usermod -g account prashant
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$
  login as: sunbeam
  sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Tue Nov  7 17:41:03 2023 from 192.168.59.1
[sunbeam@server ~]$
```

```
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Tue Nov  7 17:41:03 2023 from 192.168.59.1
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim scriptuser.sh
[sudo] password for sunbeam:
[sunbeam@server ~]$ chmod +x scriptuser.sh
chmod: changing permissions of 'scriptuser.sh': Operation not permitted
[sunbeam@server ~]$ sudo chmod +x scriptuser.sh
[sudo] password for sunbeam:
[sunbeam@server ~]$
[sunbeam@server ~]$ ./scriptuser.sh
groupadd: group 'admin' already exists
[sunbeam@server ~]$ id developer1
uid=1010(developer1) gid=1014(developer) groups=1014(developer)
[sunbeam@server ~]$ lid developer
Error initializing libuser: not executing with superuser privileges.
[sunbeam@server ~]$ sudo lid developer
developer does not exist
[sunbeam@server ~]$ id enginner
id: 'enginner': no such user
[sunbeam@server ~]$ sudo id engineer
id: 'engineer': no such user
[sunbeam@server ~]$ sudo id engineer1
uid=1070(engineer1) gid=1016(devops) groups=1016(devops)
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo id accountant1
uid=1090(accountant1) gid=1018(accountant) groups=1018(accountant)
[sunbeam@server ~]$ ls
scriptuser.sh
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$
[developer1@server sunbeam]$ sudo cat>>f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ cat >> f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ cd ~
[developer1@server ~]$ cat >> f1.txt
THis is developer1's file!
[developer1@server ~]$
[developer1@server ~]$
[developer1@server ~]$ chmod 640 f1.txt
[developer1@server ~]$
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$
[developer2@server developer1]$ ls
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ cat f1.txt
```

```
[developer1@server ~]$
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$
[developer2@server developer1]$ ls
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer2@server developer1]$ cd ~
[developer2@server ~]$ cat f1.txt
cat: f1.txt: No such file or directory
[developer2@server ~]$ cd -
bash: cd: /home/developer1: Permission denied
[developer2@server ~]$ exit
exit
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer2@server developer1]$ exit
exit
[developer1@server ~]$ cat f1.txt
THis is developer1's file!
[developer1@server ~]$
[developer1@server ~]$ su developer4
Password:
[developer4@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer4@server developer1]$ exit
exit
[developer1@server ~]$ chmod 777 f1.txt
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer2@server developer1]$ vim f1.txt
[developer2@server developer1]$ exit
exit
[developer1@server ~]$ sudo vim f2.txt

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

[sudo] password for developer1:
developer1 is not in the sudoers file.
[developer1@server ~]$ vim f2.txt
```

Type here to search   ENG 10:23 PM 07-11-2023

```
[sudo] password for developer1:
developer1 is not in the sudoers file.
[developer1@server ~]$ vim f2.txt
[developer1@server ~]$
[developer1@server ~]$ chmod 640 f2.txt
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ cat f2.txt
cat: f2.txt: Permission denied
[developer2@server developer1]$
[developer2@server developer1]$ exit
exit
[developer1@server ~]$ exit
exit
[sunbeam@server ~]$ id developer2
uid=1011(developer2) gid=1014(developer) groups=1014(developer)
[sunbeam@server ~]$
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$
[developer1@server sunbeam]$ ls
ls: cannot open directory '.': Permission denied
[developer1@server sunbeam]$
[developer1@server sunbeam]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ vim f1.txt
[developer1@server sunbeam]$ ls
ls: cannot open directory '.': Permission denied
[developer1@server sunbeam]$ cd ~
[developer1@server ~]$ ls
f1.txt  f2.txt
[developer1@server ~]$ ls -l
total 8
-rwxrwxrwx. 1 developer1 developer 27 Nov  7 21:33 f1.txt
-rw-r-----. 1 developer1 developer 18 Nov  7 21:40 f2.txt
[developer1@server ~]$ exit
exit
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo groups
[sudo] password for sunbeam:
root
[sunbeam@server ~]$ sudo groups
root
[sunbeam@server ~]$ id sunbeam
uid=1000(sunbeam) gid=1000(sunbeam) groups=1000(sunbeam),10(wheel)
[sunbeam@server ~]$
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$ cd ~
```

```
[developer1@server sunbeam]$ cd ~
[developer1@server ~]$ ls
f1.txt  f2.txt
[developer1@server ~]$ groups
developer
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ groups
developer
[developer2@server developer1]$
[developer2@server developer1]$ cat f2.txt
cat: f2.txt: Permission denied
[developer2@server developer1]$ ls
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ ls -l
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ cd ~
[developer2@server ~]$ ls
[developer2@server ~]$ cat f2.txt
cat: f2.txt: No such file or directory
[developer2@server ~]$ cd -
bash: cd: /home/developer1: Permission denied
[developer2@server ~]$ cd -
bash: cd: /home/developer1: Permission denied
[developer2@server ~]$ exit
exit
[developer1@server ~]$ exit
exit
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ get facl
bash: get: command not found
[developer1@server sunbeam]$ getfacl
Usage: getfacl [-aceEsRLPtpndvh] file ...
Try `getfacl --help' for more information.
[developer1@server sunbeam]$
[developer1@server sunbeam]$ cat >> f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ touch f1.txt
touch: cannot touch 'f1.txt': Permission denied
[developer1@server sunbeam]$ exit
exit
[sunbeam@server ~]$ cat >f1.txt
[sunbeam@server ~]$ ls
f1.txt  scriptuser.sh
[sunbeam@server ~]$ rm f1.txt
[sunbeam@server ~]$ users
sunbeam sunbeam
```

```
Password:
[developer1@server sunbeam]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ get facl
bash: get: command not found
[developer1@server sunbeam]$ getfacl
Usage: getfacl [-aceEsRLPtpndvh] file ...
Try `getfacl --help' for more information.
[developer1@server sunbeam]$
[developer1@server sunbeam]$ cat >> f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ touch f1.txt
touch: cannot touch 'f1.txt': Permission denied
[developer1@server sunbeam]$ exit
exit
[sunbeam@server ~]$ cat >f1.txt
[sunbeam@server ~]$ ls
f1.txt  scriptuser.sh
[sunbeam@server ~]$ rm f1.txt
[sunbeam@server ~]$ users
sunbeam sunbeam
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ ls -l
total 4
-rwxr-xr-x. 1 root root 996 Nov  7 21:26 scriptuser.sh
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ cd ~
[developer1@server ~]$ cat f1.txt
THis is developer1's file!
[developer1@server ~]$
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer2@server developer1]$ ls
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ exit
exit
[developer1@server ~]$ cd /tmp
[developer1@server tmp]$ cat > f1.txt
this is file!
[developer1@server tmp]$ su developer2
Password:
[developer2@server tmp]$ cat f1.txt
this is file!
[developer2@server tmp]$ cat > f1.txt
```

```
touch: cannot touch 'f1.txt': Permission denied
[developer1@server sunbeam]$ exit
exit
[sunbeam@server ~]$ cat >f1.txt
[sunbeam@server ~]$ ls
f1.txt  scriptuser.sh
[sunbeam@server ~]$ rm f1.txt
[sunbeam@server ~]$ users
sunbeam sunbeam
[sunbeam@server ~]$
[sunbeam@server ~]$
[sunbeam@server ~]$ ls -l
total 4
-rwxr-xr-x. 1 root root 996 Nov  7 21:26 scriptuser.sh
[sunbeam@server ~]$ su developer1
Password:
[developer1@server sunbeam]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer1@server sunbeam]$ cd ~
[developer1@server ~]$ cat f1.txt
THis is developer1's file!
[developer1@server ~]$
[developer1@server ~]$ su developer2
Password:
[developer2@server developer1]$ cat f1.txt
cat: f1.txt: Permission denied
[developer2@server developer1]$ ls
ls: cannot open directory '.': Permission denied
[developer2@server developer1]$ exit
exit
[developer1@server ~]$ cd /tmp
[developer1@server tmp]$ cat > f1.txt
this is file!
[developer1@server tmp]$ su developer2
Password:
[developer2@server tmp]$ cat f1.txt
this is file!
[developer2@server tmp]$ cat > f1.txt
bash: f1.txt: Permission denied
[developer2@server tmp]$
[developer2@server tmp]$ su hr1
Password:
[hr1@server tmp]$ cat f1.txt
this is file!
[hr1@server tmp]$ cat f1.txt
this is file!
[hr1@server tmp]$ cat >> f1.txt
bash: f1.txt: Permission denied
[hr1@server tmp]$
[hr1@server tmp]$
```

```
#!/bin/bash

sudo groupadd developer
sudo groupadd tester
sudo groupadd devops
sudo groupadd admin
sudo groupadd Hr
sudo groupadd accountant

for i in `seq 50`
do
  user=`echo "developer$i"`
  sudo useradd $user
  echo "$user:test" | sudo chpasswd
  sudo usermod -g developer $user
done

for i in `seq 10`
do
  user=`echo "tester$i"`
  sudo useradd $user
  echo "$user:test" | sudo chpasswd
  sudo usermod -g tester  $user
done

for i in `seq 5`
do
  user=`echo "engineer$i"`
  sudo useradd $user
  echo "$user:test" | sudo chpasswd
  sudo usermod -g devops $user
done

for i in `seq 10`
do
  user=`echo "admin$i"`
  sudo useradd $user
  echo "$user:test" | sudo chpasswd
  sudo usermod -g admin $user
done

for i in `seq 5`
do
  user=`echo "hr$i"`
  sudo useradd $user
  echo "$user:test" | sudo chpasswd
  sudo usermod -g Hr $user
done
```