

```
[root@desktop ~]# vim add1.sh
[root@desktop ~]# cat add1.sh
#!/bin/bash
groupadd proja
groupadd projb
for i in {1..5}
do
useradd -g proja pa$i
echo "root" | passwd pa$i --stdin
done
for i in {1..3}
do
useradd -g projb pb$i
echo "root" | passwd pb$i --stdin
done
[root@desktop ~]# sh add1.sh
Changing password for user pa1.
passwd: all authentication tokens updated successfully.
Changing password for user pa2.
passwd: all authentication tokens updated successfully.
Changing password for user pa3.
passwd: all authentication tokens updated successfully.
Changing password for user pa4.
passwd: all authentication tokens updated successfully.
Changing password for user pa5.
passwd: all authentication tokens updated successfully.
Changing password for user pb1.
passwd: all authentication tokens updated successfully.
Changing password for user pb2.
passwd: all authentication tokens updated successfully.
Changing password for user pb3.
passwd: all authentication tokens updated successfully.
[root@desktop ~]#
```

```
pa1:x:1280:1280::/home/pa1:/bin/bash
pa2:x:1281:1280::/home/pa2:/bin/bash
pa3:x:1282:1280::/home/pa3:/bin/bash
pa4:x:1283:1280::/home/pa4:/bin/bash
pa5:x:1284:1280::/home/pa5:/bin/bash
pb1:x:1285:1281::/home/pb1:/bin/bash
pb2:x:1286:1281::/home/pb2:/bin/bash
pb3:x:1287:1281::/home/pb3:/bin/bash
```

```
[root@desktop ~]# id pa1
uid=1280(pa1) gid=1280(proja) groups=1280(proja)
[root@desktop ~]# id pb1
uid=1285(pb1) gid=1281(projb) groups=1281(projb)
[root@desktop ~]# mkdir /home/project
```

```
[root@desktop ~]# mkdir /home/project
[root@desktop ~]# chmod 1000 /home/project
[root@desktop ~]# ls -ld /home/project/
d-----T. 2 root root 6 Aug  7 21:14 /home/project/
[root@desktop ~]# setfacl -m g:proja:rwx /home/project/
[root@desktop ~]# setfacl -m g:projb:rwx /home/project
[root@desktop ~]# getfacl /home/project
getfacl: Removing leading '/' from absolute path names
# file: home/project
# owner: root
# group: root
# flags: --t
user::--
group::--
group:proja:rwx
group:projb:rwx
mask::rwx
other::--

[root@desktop ~]# getfacl /home/project/
getfacl: Removing leading '/' from absolute path names
# file: home/project/
# owner: root
# group: root
# flags: --t
user::--
group::--
group:proja:rwx
group:projb:rwx
mask::rwx
other::--

[root@desktop ~]# █
```

```
[root@desktop ~]# cd /home/project/
[root@desktop project]# ls -l
total 0
-rw-r--r--. 1 pa1 proja 0 Aug  7 21:19 f1
-rw-r--r--. 1 pa2 proja 0 Aug  7 21:19 f2
-rw-r--r--. 1 pa3 proja 0 Aug  7 21:19 f3
-rw-r--r--. 1 pa4 proja 0 Aug  7 21:20 f4
-rw-r--r--. 1 pa5 proja 0 Aug  7 21:20 f5
-rw-r--r--. 1 pb1 projb 0 Aug  7 21:20 f6
-rw-r--r--. 1 pb2 projb 0 Aug  7 21:21 f7
-rw-r--r--. 1 pb3 projb 0 Aug  7 21:21 f8
[root@desktop project]# su pa2
[pa2@desktop project]$ cat > f2
Hello
[pa2@desktop project]$ cat > f7
bash: f7: Permission denied
[pa2@desktop project]$ su pb2
Password:
su: Authentication failure
[pa2@desktop project]$
[pa2@desktop project]$ su pb2
Password:
[pb2@desktop project]$ cat > f7
Hello
[pb2@desktop project]$ cat f2
Hello
[pb2@desktop project]$ mv f7 f9
[pb2@desktop project]$ mv f2 f10
mv: cannot move 'f2' to 'f10': Operation not permitted
[pb2@desktop project]$ █
```

```
[root@desktop project]# useradd test
[root@desktop project]# su - test
[test@desktop ~]$ cd /home/project/
-bash: cd: /home/project/: Permission denied
[test@desktop ~]$
```