



## UNIX Course Module 2

### Users, Groups and File permissions

UNIX/Linux Training

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## Users, Groups and File permissions

**Step 1:** Create 2 users like provided in the below image – **userone** and **usertwo**

```
[root@localhost home]# adduser userone  
[root@localhost home]# adduser usertwo  
[root@localhost home]# ls  
kodee  userone  usertwo
```

**Step 2:** Create 1 group – **groupone**

```
[root@localhost home]# groupadd groupone
```

**Step 3:** Add both the users to **groupone**

```
[root@localhost home]# usermod -g groupone userone  
[root@localhost home]# usermod -g groupone usertwo
```

```
[root@localhost home]# id userone  
uid=1001(userone) gid=1003(groupone) groups=1003(groupone)  
[root@localhost home]# id usertwo  
uid=1002(usertwo) gid=1003(groupone) groups=1003(groupone)
```

**Step 4:** Add both the users to **groupone**

```
[ Path '/home/userone' is not accessible ]
```

```
[ Path '/home/usertwo' is not accessible ]
```

```
[ File '1.txt' is unwritable ]
```

```
[root@localhost home]# ls
kodee  userone  usertwo
[root@localhost home]# cd userone
[root@localhost userone]# ls
[root@localhost userone]# vim 1.txt
[root@localhost userone]# ls -l 1.txt
-rw-r--r--. 1 root root 6 Nov 20 06:47 1.txt
[root@localhost userone]# cd /usertwo
bash: cd: /usertwo: No such file or directory
[root@localhost userone]# cd /home/usertwo
[root@localhost usertwo]# nano /home/userone/1.txt
[root@localhost usertwo]# vim 2.txt
[root@localhost usertwo]# chmod 377
chmod: missing operand after '377'
Try 'chmod --help' for more information.
[root@localhost usertwo]# chmod 377 1.txt
chmod: cannot access '1.txt': No such file or directory
[root@localhost usertwo]# chmod 377 2.txt
[root@localhost usertwo]# ls -l 2.txt
--wxrwxrwx. 1 root root 6 Nov 20 06:48 2.txt
[root@localhost usertwo]# exit
exit
[kodee@localhost ~]$ cd /home/userone/1.txt
bash: cd: /home/userone/1.txt: Permission denied
[kodee@localhost ~]$ cd /home/userone/2.txt
bash: cd: /home/userone/2.txt: Permission denied
[kodee@localhost ~]$ cd /home/usertwo/2.txt
```