```
[root@70fdbfab089c ~]# useradd -c"CEO" ali
[root@70fdbfab089c ~]# useradd -c"HR,MANAGER" -e2025-1-1 salem
[root@70fdbfab089c ~]# useradd -c"shipping" -e2025-1-1 sara
[root@70fdbfab089c ~]# tail -n 3 /etc/home
tail: cannot open '/etc/home' for reading: No such file or dire
[root@70fdbfab089c ~]# tail -n 3 /etc/passwd
ali:x:1001:1001:CEO:/home/ali:/bin/bash
salem:x:1002:1002:HR,MANAGER:/home/salem:/bin/bash
sara:x:1003:1003:shipping:/home/sara:/bin/bash
```

```
[root@70fdbfab089c ~]# useradd -c"HR specialiest" -e2025-1-1 deem
[root@70fdbfab089c ~]# useradd -c"sales represntative" -e2025-1-1 hanan
[root@70fdbfab089c ~]# useradd -c"shipping" -e2025-1-1 naif
[root@70fdbfab089c ~]# useradd -c"HR" -e2025-1-1 norah
[root@70fdbfab089c ~]# useradd -c"sales represntative" -e2025-1-1 khaled
[root@70fdbfab089c ~]# tail -n 8 /etc/passwd
ali:x:1001:1001:CEO:/home/ali:/bin/bash
salem:x:1002:1002:HR,MANAGER:/home/salem:/bin/bash
sara:x:1003:1003:shipping:/home/sara:/bin/bash
deem:x:1004:1004:HR specialiest:/home/deem:/bin/bash
hanan:x:1005:1005:sales represntative:/home/hanan:/bin/bash
naif:x:1006:1006:shipping:/home/naif:/bin/bash
norah:x:1007:1007:HR:/home/norah:/bin/bash
khaled:x:1008:1008:sales represntative:/home/khaled:/bin/bash
```

```
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd salem
Changing password for user salem.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd sara
Changing password for user sara.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd deem
Changing password for user deem.
New password:
Retype new password:
Sorry, passwords do not match.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd hanan
Changing password for user hanan.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd naif
Changing password for user naif.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd norah
Changing password for user norah.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@70fdbfab089c ~]# passwd khaled
Changing password for user khaled.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```

```
[root@70fdbfab089c ~]# groupadd CEO
[root@70fdbfab089c ~]# groupadd manager
[root@70fdbfab089c ~]# groupadd HR
[root@70fdbfab089c ~]# groupadd shipping
[root@70fdbfab089c ~]# groupadd sales
[root@70fdbfab089c ~]# sudo usermod hanan -aG sales
[root@70fdbfab089c ~]# sudo usermod khaled -aG sales
[root@70fdbfab089c ~]# sudo usermod sara -aG shipping
[root@70fdbfab089c ~]# sudo usermod naif -aG shipping
[root@70fdbfab089c ~]# sudo usermod norah -aG HR
[root@70fdbfab089c ~]# sudo usermod deem -aG HR
[root@70fdbfab089c ~]# sudo usermod salem -aG HR, manager
usermod: group '' does not exist
[root@70fdbfab089c ~]# sudo usermod salem -aG HR,manager
[root@70fdbfab089c ~]# sudo usermod ali -aG CEO
[root@70fdbfab089c ~]# tail -n 5 /etc/group
CEO:x:1009:ali
manager:x:1010:salem
HR:x:1011:norah,deem,salem
shipping:x:1012:sara,naif
sales:x:1013:hanan,khaled
[root@70fdbfab089c ~]#
```

```
[root@70fdbfab089c ~]# gpasswd CEO
Changing the password for group CEO
New Password:
Re-enter new password:
[root@70fdbfab089c ~]# gpasswd HR
Changing the password for group HR
New Password:
Re-enter new password:
```

```
[root@70fdbfab089c ~]# chage -l salem
Last password change                                    : Aug 23, 2023
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : Jan 01, 2025
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
[root@70fdbfab089c ~]# chage -l sara
Last password change                                    : Aug 23, 2023
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : Jan 01, 2025
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
[root@70fdbfab089c ~]# chage -l norah
Last password change                                    : Aug 23, 2023
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : Jan 01, 2025
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
[root@70fdbfab089c ~]# chage -l deem
Last password change                                    : Aug 23, 2023
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : Jan 01, 2025
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
```

```
[root@70fdbfab089c ~]# tail -n 5 /etc/gshadow
CEO:$6$DOCos/7a$3neKYcaKxeK6ZHh7tUBMNtkUkDEqm9SMVc4RgrS/k5A24PU5RhswH2gndHeLohWbJ7dswsDcezAyJjfSjkgVQ/::ali
manager:::salem
HR:$6$y47h3/pAV$pQwf7GKhVBUXlMa8p1zpIzah2HeVy2UiSniLIePVwwEmrUgNluVFKB2WY0ynclV2KJpr2bie3n8kQXXbHgiGG0::norah,deem,salem
shipping:!::sara,naif
sales:$6$a8dLchMKgy/x68i$hX4nR4jOd8Mr2srgwY.MTBBi1kYI3OSYM5JmhkSFJshRi6F5Z2dxk6hXBBct/5dr7DKYCp8rQnHqN/7GDHewA1::hanan,khaled
[root@70fdbfab089c ~]# tail -n 8 /etc/shadow
ali:$6$5VjnjGYKtRacoLyH$.Ow6QqTOqqFLyR3WSGlnZJRcBiSespPXHjcMwP9PBvGqS20hQiHirwz9epYKEoQQRsmxjAlrNvpIEf6n0f19X0:19592:0:99999:7:::
salem:$6$14qJCGUOq3QtPiPO$fu.wnQ1BOQup4mVINi4InfhHJBrDM2k0DoN1Azk6eX.1EX.9gHDHkdNaB2thA5k3gcO6HaQeThv8bHZno7IEg1:19592:0:99999:7::20089:
sara:$6$BjrZPXJh5ouHGl24$lPu.5TY85u9Vzxm2hfSjtS3/I44rCa//BGKhJDlAEzVmlTt17bSNQmeTjOLy/Bbjp8zdNe9a4uzn0R56P8Sxf0:19592:0:99999:7::20089:
deem:$6$qVNiZkiXR2HEjug3$Cf0Fc8jRxrWhRO8ksnPXKkvhxf5eQAMeza2kybPd1QE1jbFJ7CTEy8e.U4mZgCgV7MJmnLELm7H8QrnKLNeSf1:19592:0:99999:7::20089:
hanan:$6$hVfbxb0gL/o5KANM$b2ggknTme1SYouI9XMCqLofYAKuLDBbhQO..WRYJC1hZhfae47FRoVxZFBTmEnQd5s8bjQ8gWrGg5kUe4bTE.0:19592:0:99999:7::20089:
naif:$6$x41iY96TnlHVFJEn$A9/IJhmokJRXCRvPxs7BlvAuHLXb3fEmfzD3vegwKw0twpC73p35iAn4j13vRe5TQUZnODOIOnFKI8XvNLTv10:19592:0:99999:7::20089:
norah:$6$xpkCrAmlw.6gHj7F$YbJjP7aP4PhCneL7Lx0E6nyPjIImTgUJvlPDxjvq1.Pqch7ffNxidgBAO/bo6r7C2usKBi/0zcCFMnjLe60rF/:19592:0:99999:7::20089:
khaled:$6$yYKOBdUq9qbPvSwy$eOR9XH96fklL.1hMxP/nPZDWVyZQowOAdA/.n4q8RbG4fViU.7E/QsCg9lZr4knfP4sUyLHUV43.5I7WE1OYw/:19592:0:99999:7::20089:
```