

```
[root@4b80cd864710 /]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/sbin/nologin
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin
unbound:x:998:996:Unbound DNS resolver:/etc/unbound:/sbin/nologin
ahmad:x:1000:1001:./home/ahmad:/bin/bash
Ali:x:1001:1002:CEO:/home/Ali:/bin/bash
salem:x:1002:1003:HR,manager:/home/salem:/bin/bash
sara:x:1003:1004:shipping:/home/sara:/bin/bash
Deem:x:1004:1005:HR specilist:/home/Deem:/bin/bash
Hanan:x:1005:1006:sales representative:/home/Hanan:/bin/bash
Naif:x:1006:1007:shipping:/home/Naif:/bin/bash
Norah:x:1007:1008:HR:/home/Norah:/bin/bash
Khaled:x:1008:1009:sales representative:/home/Khaled:/bin/bash
[root@4b80cd864710 /]#
```

```
[root@4b80cd864710 /]# gpasswd sales
Changing the password for group sales
New Password:
Re-enter new password:
[root@4b80cd864710 /]# cat /etc/shadow
root:$6$XxcQn8RGN49/58N$uw/4bjDJwE5oXZerjslqSDbdeIg8XbU9Det1GhnVikvcUu4R3WF2JR0tHtWbcd9Tfn305eShq4L/NRB99cN6yQ1:19655:0:99999:7:::
bin:*:18397:0:99999:7:::
daemon:*:18397:0:99999:7:::
adm:*:18397:0:99999:7:::
lp:*:18397:0:99999:7:::
sync:*:18397:0:99999:7:::
shutdown:*:18397:0:99999:7:::
halt:*:18397:0:99999:7:::
mail:*:18397:0:99999:7:::
operator:*:18397:0:99999:7:::
games:*:18397:0:99999:7:::
ftp:*:18397:0:99999:7:::
nobody:*:18397:0:99999:7:::
dbus:!:18885:!:!:!:
systemd-coredump:!:18885:!:!:!:
systemd-resolve:!:18885:!:!:!:
tss:!:19589:!:!:!:
unbound:!:19589:!:!:!:
ahmad:$6$PxlBm3etecMg0Qz$eTtia2FHCA9I3jDdeEnw7YmqMg16ecuLpZ978YpdLY2o8xSy16E0.f7Uay/pXVUXRRorZiQAbzQYxHgQuHEaZ/:19655:0:99999:7:::
Ali:alibaba@s1:19655:0:99999:7:::
salem:alibaba@s1:19655:0:99999:7:::20089:
sara:alibaba@s1:19655:0:99999:7:::20089:
Deem:alibaba@s1:19655:0:99999:7:::20089:
Hanan:alibaba@s1:19655:0:99999:7:::20089:
Naif:alibaba@s1:19655:0:99999:7:::20089:
Norah:alibaba@s1:19655:0:99999:7:::20089:
Khaled:alibaba@s1:19655:0:99999:7:::20089:
[root@4b80cd864710 /]#
```

```
Khaled:x:1009:
CEO:x:1010:Ali
Manager:x:1011:
HR:x:1012:Norah,Deem,salem
shipping:x:1013:sara,Naif
sales:x:1014:Hanan,Khaled
[root@4b80cd864710 /]#
```

History

```
ot@4b80cd864710 /J# history
1 clear
2 exit
3 ls
4 yum update
5 ping google.com
6 cd /etc/yum.repos.d/
7 sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*
8 sed -i 's|#baseurl=http://mirror.centos.org|baseurl=http://vault.centos.org|g' /etc/yum.repos.d/CentOS-*
9 yum update -y
10 clear
11 ls
12 cd ~
13 ls
14 pwd
15 ls
16 cd ..
17 ls
18 cd usr
19 ls
20 cd ..
21 cd home/
22 ls
23 cd ~
24 useradd a
25 su -a a
26 su a
27 ls
28 claer
29 passwd root
30 yum install sudo passwd
31 ls
32 passwd root
33 ls
34 userdel -r a
35 ls
36 clear
37 exit
38 yum install vim man nano zip
```

```
39 yum install crontabs
40 yum install stress
41 yum install stress
42 sudo yum install -y epel-release
43 sudo yum install -y stress
44 clearls
45 ls
46 exit
47 exit
48 exit
49 ls
50 cdme
51 cd home
52 ls
53 cd olderOne
54 cd folderOne
55 exit
56 cd home/folderOne/
57 exit
58 cat /etc/passwd
59 cat /etc/passwd
60 cat /etc/passwd
61 head -n 1 /etc/passwd
62 tail -n 1 /etc/passwd
63 head -n 1 /etc/passwd
64 gpasswd -a employess
65 groupadd employess
66 gpasswd -a ahmad
67 gpasswd -a employess
68 useradd ahmad
69 gpasswd -a employess
70 passwd ahmad
71 gpasswd ahmad -a employess
72 tail 5 -n /etc/passwd
73 tail 1 -n /etc/passwd
74 tail -n 5 /etc/passwd
75 passwd
76 useradd ali
77 tail -n 5 /etc/passwd
78 useradd Ali
```

```
78 useradd Ali
79 userdel Ali
80 useradd -c "CEO" -p "alibab@s1" Ali
81 man command
82 useradd Ali
83 userdel Ali
84 useradd Ali
85 pwd
86 exist
87 pwd
88 useradd Ali
89 userdel Ali
90 userdel Ali
91 useradd ali
92 usermod -c "CEO" Ali
93 useradd Ali
94 clear
95 tail -n 5 /etc/passwd
96 usermod -c "CEO" Ali
97 usermod -p "alibab@s1" Ali
98 useradd salem
99 usermod -c "HR,manager" -p "alibab@s1" -e 2025-01-01
100 tail -n 6 /etc/passwd
101 usermod -p alibab@s1 Ali
102 tail -n 6 /etc/passwd
103 userdel Ali
104 userdel salem
105 tail -n 6 /etc/passwd
106 userdel ali
107 useradd Ali
108 usermod -c "CEO"
109 usermod -c "CEO" Ali
110 head -n 6 /etc/passwd
111 tail -n 6 /etc/passwd
112 passwd Ali
113 tail -n 6 /etc/passwd
114 cat/etc/shadow
115 useradd -c "HR,Manager" -p "alibab@s1" -e "2025-01-01"
116 useradd -c "HR,manager" -p "alibab@s1" -e "2025-01-01" salem
117 tail -n 6 /etc/passwd
```

```
119 -b
120 userdel Ali
121 userdel salem
122 pwd
123 tail -n 5 /etc/passwd
124 useradd Ali
125 clear
126 claer
127 pwd
128 usermod -c "CEO" Ali
129 usermod -p "alibab@s1" Ali
130 useradd salem
131 usermod -c "HR,manager" -p "alibab@s1" -e "2025-01-01" salem
132 useradd sara
133 usermod -c "shipping" -p "alibaba@s1" -e "2025-01-01" sara
134 useradd Deem
135 usermod -c "HR specilist" -p "alibaba@s1" -e "2025-01-01" Deem
136 tail -n 8 /etc/passwd
137 history
138 cat /etc/shadow
139 cat /etc /shadow
140 cat /etc/shadow
141 useradd Hanan
142 usermod -c "sales representative" -p "alibaba@s1" -e "2025-01-01" Hanan
143 useradd Naif
144 usermod -c "shipping" -p "alibaba@s1" -e "2025-01-01" Naif
145 useradd Norah
146 usermod -c "HR" -p "alibaba@s1" -e "2025-01-01" Norah
147 useradd Khaled
148 usermod -c "sales representative" -p "alibaba@s1" -e "2025-01-01" Khaled
149 groupadd CEO
150 groupadd Manager
151 groupadd HR
152 groupadd shipping
153 groupadd sales
154 gpasswd -a "Ali" CEO
155 gpasswd -a "Ali" CEO
156 gpasswd -a "Salem" Manager
157 gpasswd -a "salem" Manager
158 gpasswd -a "salem , Norah , Deem" HR
```

```
158 gpasswd -a "salem , Norah , Deem" HR
159 gpasswd -a "salem,Norah,Deem" HR
160 gpasswd -a "salem - Norah - Deem" HR
161 gpasswd -a "salem:Norah:Deem" HR
162 gpasswd -a "salem:Norah:Deem" HR
163 usermod -G HR salem
164 gpasswd -a "salem"
165 gpasswd -M "salem" HR
166 tail -n 7 /etc/passwd
167 getent group HR
168 gpasswd -M Norah,Deem HR
169 getent group HR
170 gpasswd -a "Deem" HR
171 gpasswd -a "salem" HR
172 gpasswd -a "Norah" HR
173 gpasswd -a "sara" shipping
174 gpasswd -a "Naif" shipping
175 gpasswd -a "Hanan" sales
176 gpasswd -a "Khaled" sales
177 cat /etc/passwd
178 groupmod -p "CEO"
179 groupmod -p CEO
180 gpasswd CEO
181 gpasswd HR
182 gpasswd sales
183 cat /etc/shadow
184 cat /etc/group
185 history
```