

به نام خدا

تمرین جلسه پنجم

فرزان رحمانی ۹۹۵۲۱۲۷۱

۱- از دستور های زیر استفاده می کنیم:

```
sudo cat /etc/passwd | grep nologin | cut -d':' -f1
```

```
sudo cat /etc/passwd | grep nologin | cut -d':' -f1 | wc -l
```

```
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo cat /etc/passwd | grep nologin | cut -d':' -f1 | wc -l
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farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo cat /etc/passwd | grep nologin | cut -d':' -f1
daemon
bin
sys
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
systemd-timesync
messagebus
syslog
_apt
uuidd
tcpdump
sshd
landscape
rtkit
cups-pk-helper
geoclue
dnsmasq
pulse
usbmux
```

```
systemd-timesync
messagebus
syslog
_apt
uuidd
tcpdump
sshd
landscape
rtkit
cups-pk-helper
geoclue
dnsmasq
pulse
usbmux
avahi
saned
colord
systemd-coredump
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$
```

```
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/:/nonexistent:/usr/sbin/nologin
syslog:x:104:110:/:/home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:/nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uidd:x:107:112:/:/run/uidd:/usr/sbin/nologin
tcpdump:x:108:113:/:/nonexistent:/usr/sbin/nologin
sshd:x:109:65534:/:/run/sshd:/usr/sbin/nologin
landscape:x:110:115:/:/var/lib/landscape:/usr/sbin/nologin
pollinate:x:111:1:/:/var/cache/pollinate:/bin/false
farzan_rahmani:x:1000:1000:,:/home/farzan_rahmani:/bin/bash
rtkit:x:112:120:RealtimeKit,,,:/proc:/usr/sbin/nologin
cups-pk-helper:x:113:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
geoclue:x:114:123:/:/var/lib/geoclue:/usr/sbin/nologin
```

۲- از دستور های زیر استفاده می کنیم:

```
mkdir /home/test
useradd test1 -d /home/test1
sudo passwd test1
(Password:testpass)
```

```
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ ls
farzan_rahmani  farzanrahmani_99521271
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo mkdir test1
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ ls
farzan_rahmani  farzanrahmani_99521271  test1
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo useradd test1 -d /home/test1/
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ sudo passwd test1
New password:
Retype new password:
passwd: password updated successfully
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$ su test1
Password:
$ whoami
test1
$ exit
farzanrahmani_99521271@DESKTOP-955QSI1:~/home$
```

testpass

۳- از دستور های زیر استفاده می کنیم:

```
cat /etc/passwd | grep ":x:" | cut -d':' -f1  
cat /etc/passwd | grep ":x:" | cut -d':' -f1 | wc -l
```

```
Command Prompt
farzanrahmani_99521271@DESKTOP-955QSI1: /root$ cat /etc/passwd | grep ":x:"
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/:/nonexistent:/usr/sbin/nologin
syslog:x:104:110:/:/home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:/nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uidd:x:107:112:/:/run/uidd:/usr/sbin/nologin
tcpdump:x:108:113:/:/nonexistent:/usr/sbin/nologin
sshd:x:109:65534:/:/run/ssh:/usr/sbin/nologin
landscape:x:110:115:/:/var/lib/landscape:/usr/sbin/nologin
pollinate:x:111:1:/:/var/cache/pollinate:/bin/false
farzan_rahmani:x:1000:1000:,:/home/farzan_rahmani:/bin/bash
rtkit:x:112:120:RealtimeKit,,,:/proc:/usr/sbin/nologin
cups-pk-helper:x:113:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
geoclue:x:114:123:/:/var/lib/geoclue:/usr/sbin/nologin
```

```
Command Prompt
farzanrahmani_99521271@DESKTOP-955QSI1: /root$ cat /etc/passwd | grep ":x:" | cut -d':' -f1
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
sshd:x:109:65534:/:/run/ssh:/usr/sbin/nologin
landscape:x:110:115:/:/var/lib/landscape:/usr/sbin/nologin
pollinate:x:111:1:/:/var/cache/pollinate:/bin/false
farzan_rahmani:x:1000:1000:,:/home/farzan_rahmani:/bin/bash
rtkit:x:112:120:RealtimeKit,,,:/proc:/usr/sbin/nologin
cups-pk-helper:x:113:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
geoclue:x:114:123:/:/var/lib/geoclue:/usr/sbin/nologin
dnsmasq:x:115:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
pulse:x:116:124:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
usbmux:x:117:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
avahi:x:118:126:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
saned:x:119:128:/:/var/lib/saned:/usr/sbin/nologin
colord:x:120:129:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
gdm:x:121:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
farzanrahmani_99521271:x:1001:1001:Farzan Rahmani,,,:02177546250,989128357533:/home/farzanrahmani_99521271:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
lxd:x:998:100:/:/var/snap/lxd/common/lxd:/bin/false
test1:x:1002:1003:/:/home/test1:/bin/sh
farzanrahmani_99521271@DESKTOP-955QSI1: /root$ cat /etc/passwd | grep ":x:" | cut -d':' -f1
```

```
Command Prompt
farzanrahmani_99521271@DESKTOP-955QSI1: ~
uucp
proxy
www-data
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
systemd-timesync
messagebus
syslog
_apt
tss
uuidd
tcpdump
sshd
landscape
pollinate
farzan_rahmani
rtkit
cups-pk-helper
geoclue
dnsmasq
pulse
usbmux
avahi
saned
colord
gdm
farzanrahmani_99521271
systemd-coredump
lxd
test1
```

```
Command Prompt
farzanrahmani_99521271@DESKTOP-955QSI1: ~
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
systemd-timesync
messagebus
syslog
_apt
tss
uuidd
tcpdump
sshd
landscape
pollinate
farzan_rahmani
rtkit
cups-pk-helper
geoclue
dnsmasq
pulse
usbmux
avahi
saned
colord
gdm
farzanrahmani_99521271
systemd-coredump
lxd
test1
farzanrahmani_99521271@DESKTOP-955QSI1:/root$ cat /etc/passwd | grep ":x:" | cut -d':' -f1 | wc -l
45
farzanrahmani_99521271@DESKTOP-955QSI1:/root$
```

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