



دانشکده مهندسی کامپیوتر

آزمایشگاه سیستم عامل

تمرین جلسه پنجم

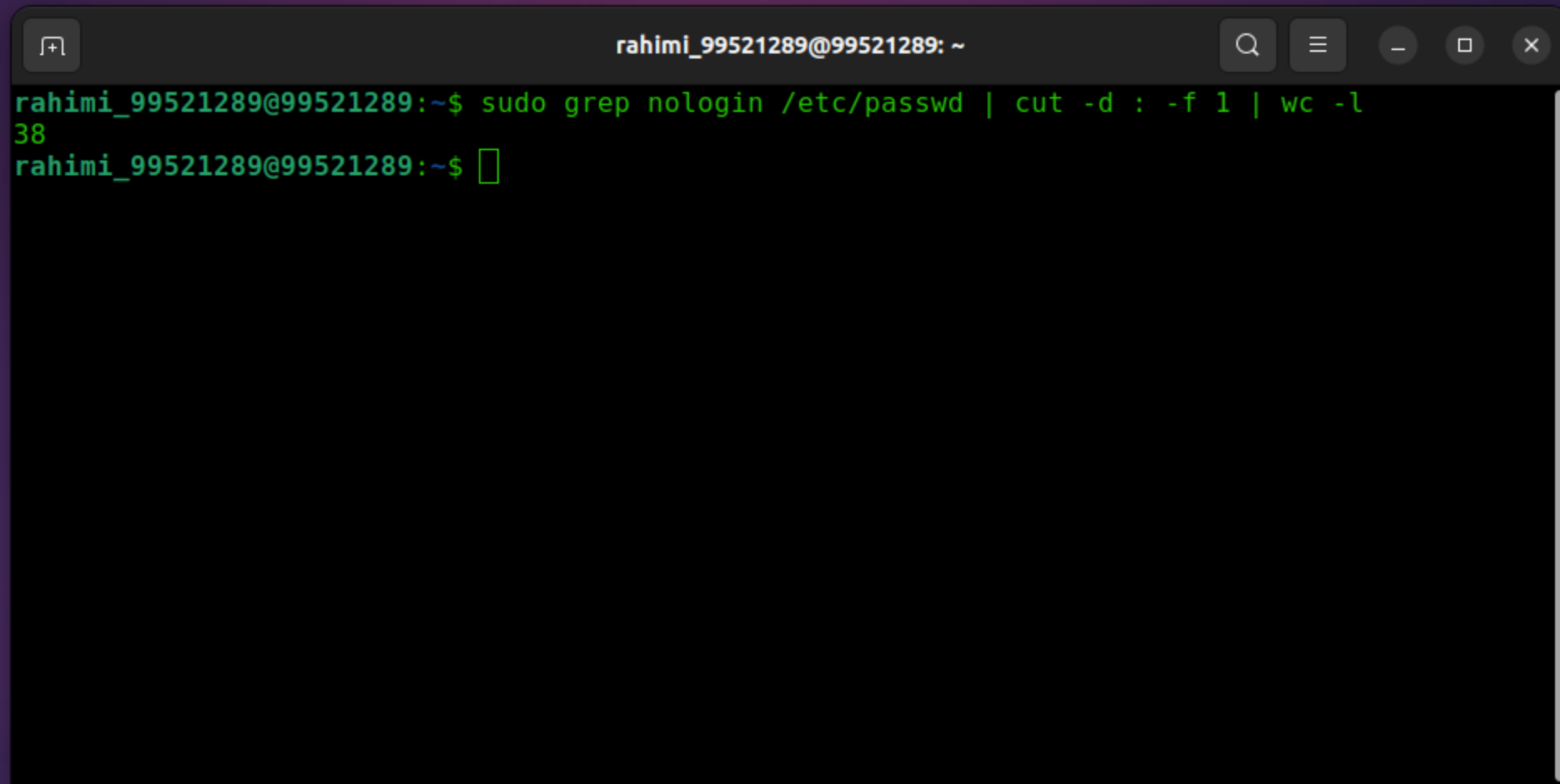
استاد : دکتر شیخی

پوریا رحیمی (۹۹۵۲۱۲۸۹)

Q1)

```
rahimi_99521289@99521289: ~  
rahimi_99521289@99521289:~$ sudo grep nologin /etc/passwd | cut -d : -f 1  
daemon  
bin  
sys  
games  
man  
lp  
mail  
news  
uucp  
proxy  
www-data  
backup  
list  
irc  
gnats  
nobody  
systemd-network  
systemd-resolve  
messagebus  
systemd-timesync  
syslog  
_apt  
uidd  
systemd-oom  
tcpdump  
avahi-autoipd  
usbmux  
dnsmasq  
kernoops  
avahi  
cups-pk-helper  
rtkit  
sssd  
nm-openvpn  
saned  
colord  
geoclue  
pulse  
rahimi_99521289@99521289:~$
```

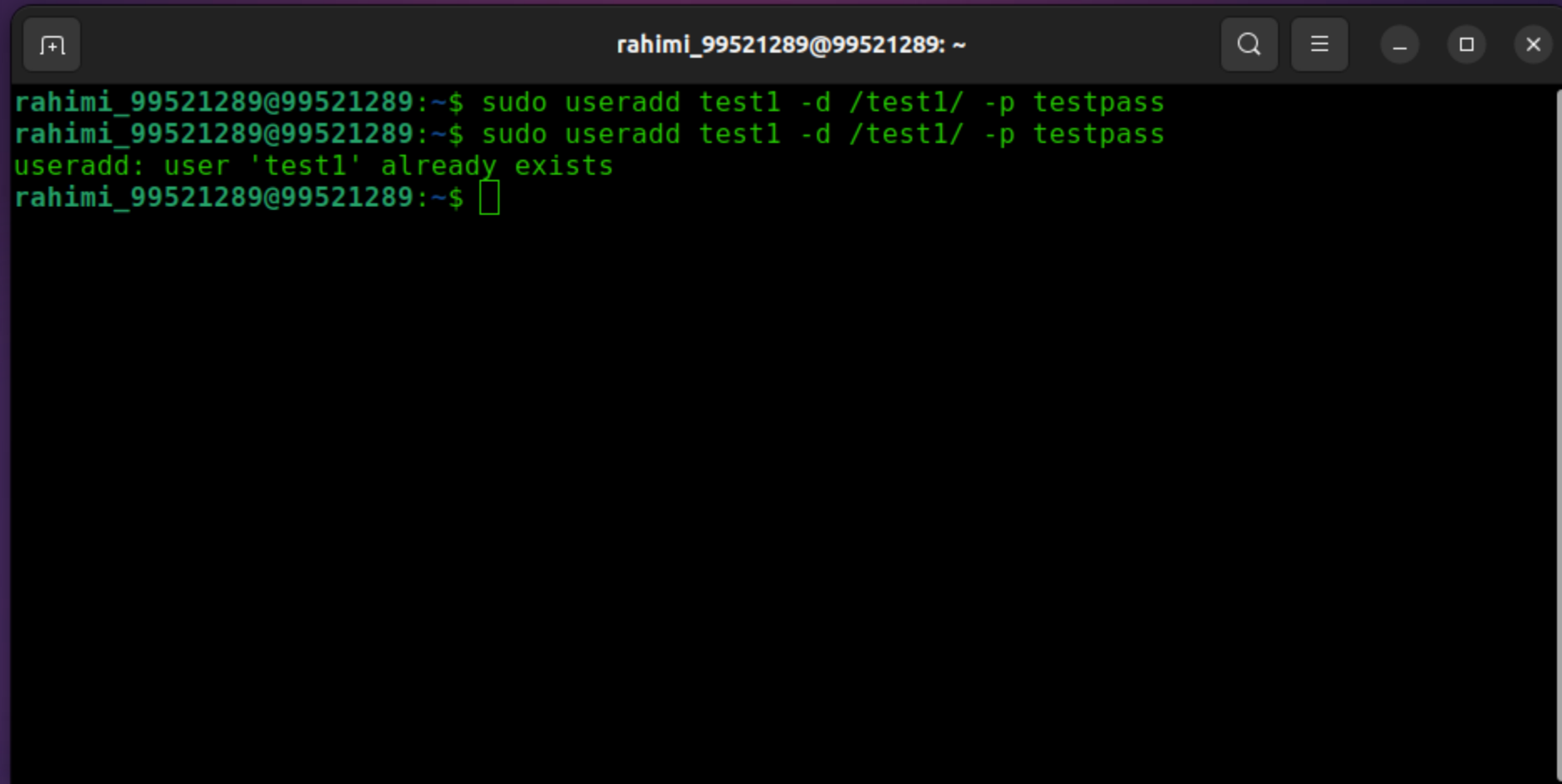
Q1)



```
rahimi_99521289@99521289: ~  
rahimi_99521289@99521289:~$ sudo grep nologin /etc/passwd | cut -d : -f 1 | wc -l  
38  
rahimi_99521289@99521289:~$
```

A terminal window with a dark background and green text. The window title bar shows the user 'rahimi_99521289' and the host '99521289'. The terminal displays a command to count the number of users with 'nologin' shells in the /etc/passwd file. The output is '38'. The prompt is '~\$'.

Q2)



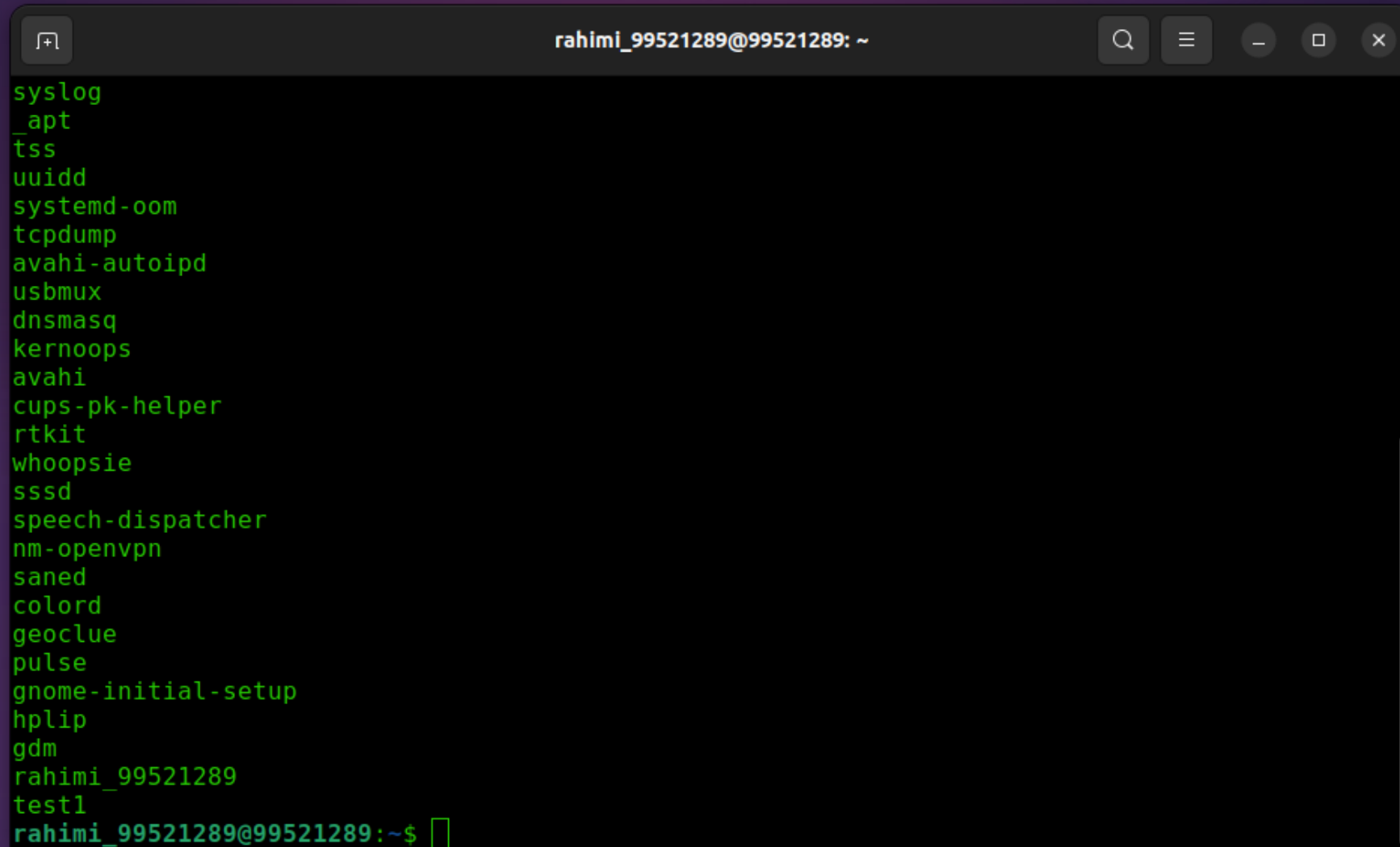
A terminal window with a dark background and green text. The window title bar shows 'rahimi_99521289@99521289: ~' and standard window controls. The terminal content shows two identical 'sudo useradd' commands being executed, followed by a confirmation message and a blank prompt.

```
rahimi_99521289@99521289:~$ sudo useradd test1 -d /test1/ -p testpass
rahimi_99521289@99521289:~$ sudo useradd test1 -d /test1/ -p testpass
useradd: user 'test1' already exists
rahimi_99521289@99521289:~$
```

Q3)

```
rahimi_99521289@99521289: ~  
rahimi_99521289@99521289:~$ sudo grep :x: /etc/passwd | cut -d : -f 1  
root  
daemon  
bin  
sys  
sync  
games  
man  
lp  
mail  
news  
uucp  
proxy  
www-data  
backup  
list  
irc  
gnats  
nobody  
systemd-network  
systemd-resolve  
messagebus  
systemd-timesync  
syslog  
_apt
```

Q3)



A terminal window with a dark background and light green text. The window title bar shows the user 'rahimi_99521289' and the host '99521289'. The terminal displays a list of system services, one per line, starting with 'syslog' and ending with 'test1'. The prompt 'rahimi_99521289@99521289:~\$' is visible at the bottom, followed by a cursor.

```
rahimi_99521289@99521289: ~
syslog
_appt
tss
uidd
systemd-oom
tcpdump
avahi-autoipd
usbmux
dnsmasq
kernoops
avahi
cups-pk-helper
rtkit
whoopsie
sssd
speech-dispatcher
nm-openvpn
saned
colord
geoclue
pulse
gnome-initial-setup
hplip
gdm
rahimi_99521289
test1
rahimi_99521289@99521289:~$
```