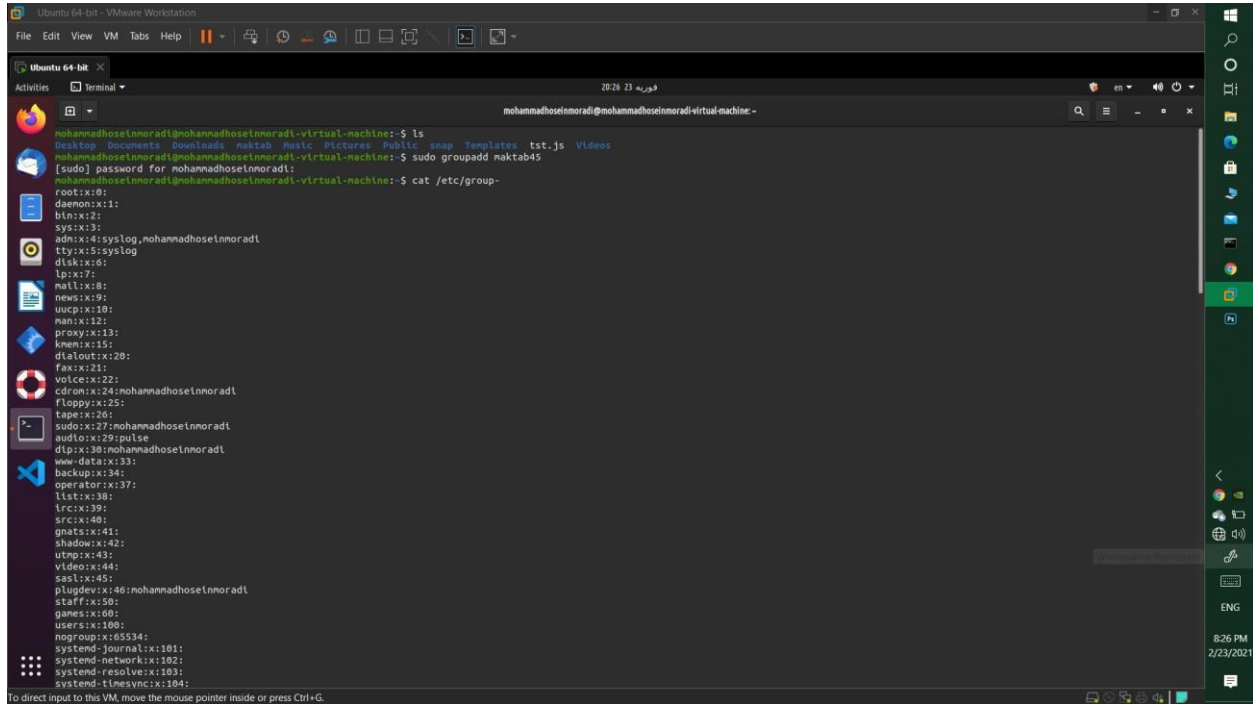


۱) گروهی به نام maktab45 بسازید. سپس یوزری به نام ali بسازید و به گروه maktab45 و sudo اضافه کنید.

Create group    `sudo groupadd maktab45`



```

mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ ls
Desktop Documents Downloads maktab Music Pictures Public snap templates tst.js videos
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo groupadd maktab45
[sudo] password for mohammadhoseinmoradi:
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ cat /etc/group-
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:syslog,mohammadhoseinmoradi
tty:x:5:syslog
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:
fax:x:21:
voice:x:22:
cdrom:x:24:mohammadhoseinmoradi
floppy:x:25:
tape:x:26:
sudo:x:27:mohammadhoseinmoradi
audio:x:29:pulse
dip:x:30:mohammadhoseinmoradi
www-data:x:33:
backup:x:34:
operator:x:37:
lirc:x:38:
irc:x:39:
src:x:40:
gnats:x:41:
shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:mohammadhoseinmoradi
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:101:
systemd-network:x:102:
systemd-resolve:x:103:
systemd-timesync:x:104:

```

```
sudo useradd ali
```

```
sudo passwd ali
```

```
sudo usermod -a -G maktab45 ali
```

```
sudo usermod -a -G sudo ali
```

```
sudo su ali // open user ali
```

The screenshot shows a Windows 10 desktop environment. A virtual machine window titled "Ubuntu 64-bit" is open, displaying a Linux terminal. The terminal prompt is `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-`. The terminal content includes:

- A list of options from the `man useradd` command, such as `-K, --key KEY=VALUE`, `-l, --no-log-init`, etc.
- Execution of `$ sudo useradd ali`.
- Execution of `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $ su ali`.
- Execution of `su: Authentication failure`.
- Execution of `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $ sudo passwd ali`.
- Execution of `[sudo] password for mohammadhosseinnoradi:`.
- Execution of `New password:` and `Retype new passwords:`.
- Execution of `passwd: password updated successfully`.
- Execution of `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $ sudo usermod -a -G maktab45 ali`.
- Execution of `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $ sudo usermod -a -G sudo ali`.
- Execution of `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $ sudo su ali`.
- Execution of `S` multiple times.
- Execution of `$ whoami`, returning `ali`.
- Execution of `$ exit`.
- Final prompt: `mohammadhosseinnoradi@mohammadhosseinnoradi-virtual-machine-: $`

At the bottom of the screen, there are two green buttons labeled "Whiteboard" and "Fullscreen snip". Below the VM window, a status bar indicates "To direct input to this VM, move the mouse pointer inside or press Ctrl+G."