

۲) توسط یوزر ali فایل sh.tst بسازید و درون آن دستور چاپ جمله Linux Hello را قرار دهید سپس permission فایل را طوری ویرایش کنید که فقط owner توانایی خواندن نوشتن و اجرا را داشته باشد.

```
sudo nano
```

```
echo Hello Linux
```

```
y
```

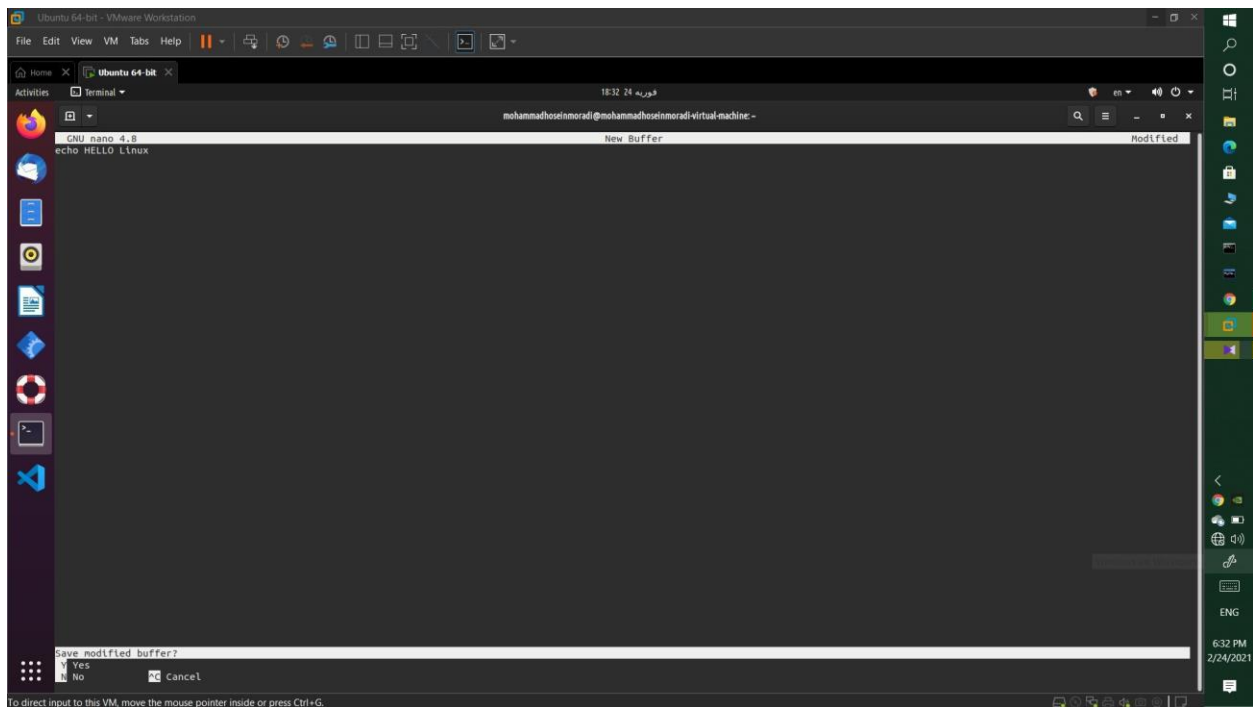
```
tst.sh
```

```
-----
```

```
sudo chmod 700 tst.sh
```

```
sudo chown ali tst.sh
```

```
sudo chgrp maktab45 tst.sh
```



```
Ubuntu 64-bit - VMware Workstation
File Edit View VM Tabs Help
Activities terminal
18:39 24 فبراير
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$
$ sudo -u all mkdir /home/test
mkdir: cannot create directory '/home/test': Permission denied
$ exit
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir /home/test
mkdir: cannot create directory '/home/test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ whoami
mohammadhoseinmoradi
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo mkdir test1
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo all mkdir test
sudo: all: command not found
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ su all
Password:
$ su mkdir test
su: user mkdir does not exist
$ all mkdir test
sh: 2: all: not found
$ mkdir test
mkdir: cannot create directory 'test': Permission denied
$ sudo mkdir test
$ ls
Desktop Documents Downloads maktab Music Pictures Public snap Templates test test1 tst.js Videos
$ cd test
$ ls
$ nano
Unable to create directory /home/all/.local/share/nano/: No such file or directory
It is required for saving/loading search history or cursor positions.
$ su nano
su: user nano does not exist
$ sudo nano
$ ls
tst.sh
$ ls -l
total 4
-rw-r--r-- 1 root root 18 18:35 24 فبراير tst.sh
$ sudo chmod 700 tst.sh
$ sudo chown all tst.sh
$ sudo chgrp maktab45 tst.sh
$ ls -l
total 4
-rwx----- 1 all maktab45 18 18:35 24 فبراير tst.sh
$
```

```
Ubuntu 64-bit - VMware Workstation
File Edit View VM Tabs Help
Activities terminal
18:38 24 فبراير
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ su all
Password:
$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
$ su -c mkdir test
su: user test does not exist
$ su -c "mkdir test"
Password:
su: Authentication failure
$ sudo -u all mkdir /home/test
mkdir: cannot create directory '/home/test': Permission denied
$ exit
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir /home/test
mkdir: cannot create directory '/home/test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ whoami
mohammadhoseinmoradi
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo mkdir test1
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo all mkdir test
sudo: all: command not found
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ su all
Password:
$ su mkdir test
su: user mkdir does not exist
$ all mkdir test
sh: 2: all: not found
$ mkdir test
mkdir: cannot create directory 'test': Permission denied
$ sudo mkdir test
$ ls
Desktop Documents Downloads maktab Music Pictures Public snap Templates test test1 tst.js Videos
$ cd test
$ ls
$ nano
Unable to create directory /home/all/.local/share/nano/: No such file or directory
It is required for saving/loading search history or cursor positions.
$ su nano
su: user nano does not exist
$ sudo nano
$ ls
tst.sh
$
```

```
Ubuntu 64-bit - VMware Workstation
File Edit View VM Tabs Help
Activities Terminal
18:49 24 فوریه
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine: ~$
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo all mkdir test
sudo: all: command not found
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ sudo -u all mkdir test
mkdir: cannot create directory 'test': Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ su all
Password:
$ su mkdir test
su: user mkdir does not exist
$ all mkdir test
sh: 2: all: not found
$ mkdir test
mkdir: cannot create directory 'test': Permission denied
$ sudo mkdir test
$ ls
Desktop Documents Downloads maktab Music Pictures Public snap Templates test test1 tst.js Videos
$ cd test
$ ls
$ nano
Unable to create directory /home/all/.local/share/nano/: No such file or directory
It is required for saving/loading search history or cursor positions.
$ su nano
su: user nano does not exist
$ sudo nano
$ ls
tst.sh
$ ls -l
total 4
-rwxr--r-- 1 root root 18 18:35 24 فوریه tst.sh
$ sudo chmod 700 tst.sh
$ sudo chown all tst.sh
$ sudo chgrp maktab45 tst.sh
$ ls -l
total 4
-rwx----- 1 all maktab45 18 18:35 24 فوریه tst.sh
$ exit
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ ls
Desktop Documents Downloads maktab Music Pictures Public snap Templates test test1 tst.js Videos
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~$ cd test
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~/test$ ls
tst.sh
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~/test$ ls -l
total 4
-rwx----- 1 all maktab45 18 18:35 24 فوریه tst.sh
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~/test$ cat tst.sh
cat: tst.sh: Permission denied
mohammadhoseinmoradi@mohammadhoseinmoradi-virtual-machine:~/test$
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.