

ملیکا محمدی فخار 99522086 – تمرین جلسه نهم آزمایشگاه سیستم عامل

(1)

```
melikamohammadi-99522086@ubuntu: ~  
melikamohammadi-99522086@ubuntu:~$ nmap 8.8.8.8 | awk '/^[0-9]/ {print $1,$3}'  
53/tcp domain  
443/tcp https  
melikamohammadi-99522086@ubuntu:~$
```

(2)

```
melikamohammadi-99522086@ubuntu:~/Desktop$ cat script.sh  
#!/bin/bash  
echo "IP address: "  
read ip  
  
response=$(ping $ip -c 4 | grep '%' | awk '{if ($6 == "0%") { print "Done" } else { print "The address is unre  
achable!";}}')  
  
echo "$response"  
melikamohammadi-99522086@ubuntu:~/Desktop$ sudo bash script.sh  
IP address:  
192.51.1.1  
The address is unreachable!  
melikamohammadi-99522086@ubuntu:~/Desktop$
```

(3)

```
melikamohammadi-99522086@ubuntu: ~/Desktop  
melikamohammadi-99522086@ubuntu:~/Desktop$ arp | awk '{print $1, $3}'  
Address HWaddress  
192.168.80.2 00:50:56:e2:b5:28  
melikamohammadi-99522086@ubuntu:~/Desktop$
```