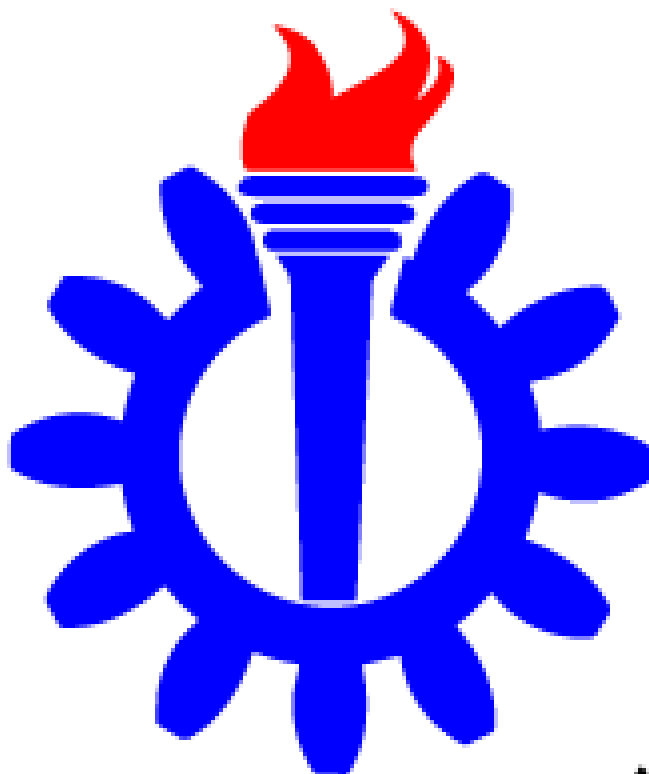


بسم الله الرحمن الرحيم



دانشگاه علم و صنعت ایران

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تدریس 9 در سرآزمایشگاه سیستم عامل

استاد شیفر

(1)

```
erfanzare-98411432@ubuntu:~$ nmap 8.8.8.8 | awk '/^[0-9]/ {print $1,$3}'  
53/tcp domain  
443/tcp https
```

(2)

```
#!/bin/bash  
read -p "enter ip:" n  
if ping -c 1 $n &> /dev/null  
then  
    echo "the address is unreachable.sorry"  
else  
    echo "done:)"  
fi
```

```
erfanzare-98411432@ubuntu:~$ bash s82.sh  
enter ip:192.168.1.1  
the address is unreachable.sorry  
erfanzare-98411432@ubuntu:~$ bash s82.sh  
enter ip:8.8.8.8  
the address is unreachable.sorry
```

(3)

```
erfanzare-98411432@ubuntu:~$ arp | awk '$2 != "HWtype" {print$2, $3}'  
ether 00:50:56:fb:9d:fb  
ether 00:50:56:ed:27:63
```