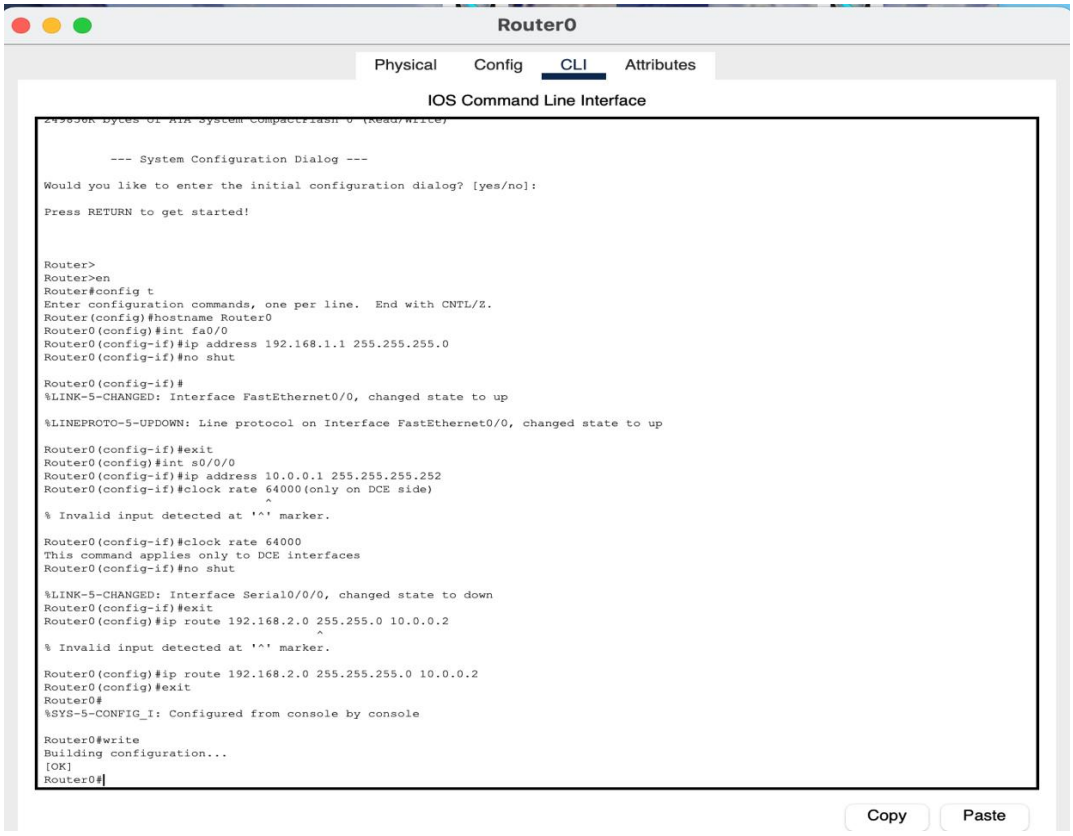
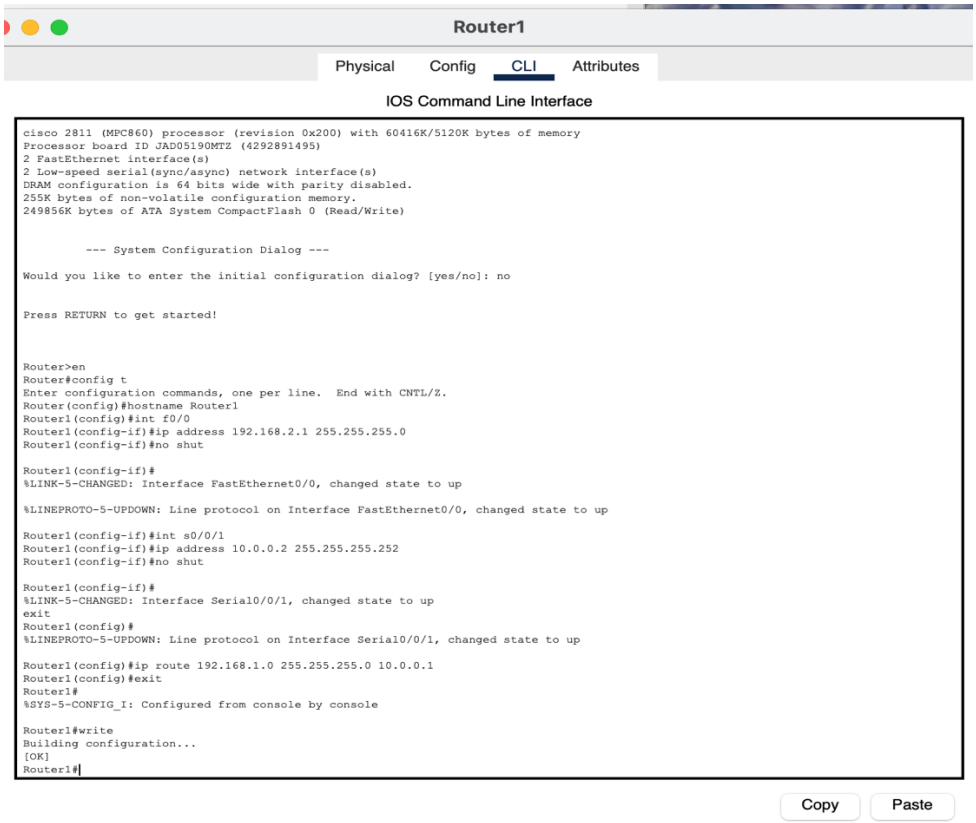
ROUTER 0

```
Router>
Router>en
Router#config t
Router(config)#hostname Router0
Router0(config)#int fa0/0
Router0(config-if)#ip address 192.168.1.1 255.255.255.0
Router0(config-if)#no shut
Router0(config-if)#exit
Router0(config)#int s0/0/0
Router0(config-if)#ip address 10.0.0.1 255.255.255.252
Router0(config-if)#clock rate 64000
Router0(config-if)#no shut
Router0(config-if)#exit
Router0(config)#ip route 192.168.2.0 255.255.255.0 10.0.0.2
Router0(config)#exit
Router0#write
Building configuration...
[OK]
Router0#
```



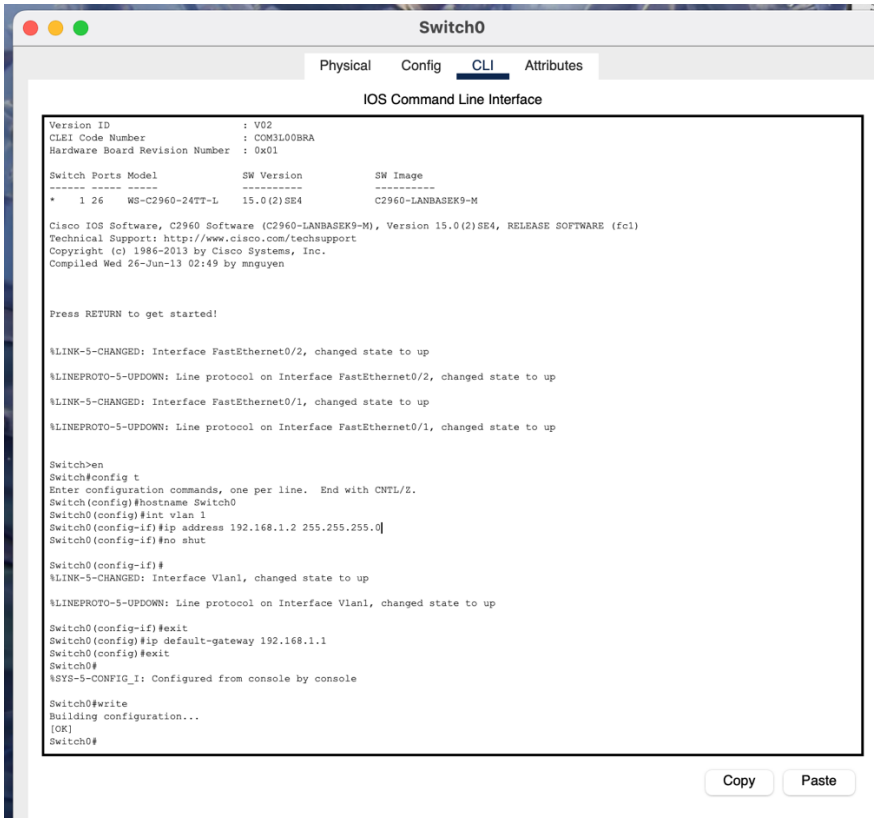
ROUTER 1

Router>en
Router#config t
Router(config)#hostname Router1
Router1(config)#int f0/0
Router1(config-if)#ip address 192.168.2.1 255.255.255.0
Router1(config-if)#no shut
Router1(config-if)#int s0/0/1
Router1(config-if)#ip address 10.0.0.2 255.255.255.252
Router1(config-if)#no shut
Router1(config)#ip route 192.168.1.0 255.255.255.0 10.0.0.1
Router1(config)#exit
Router1#write
Building configuration...
[OK]
Router1#



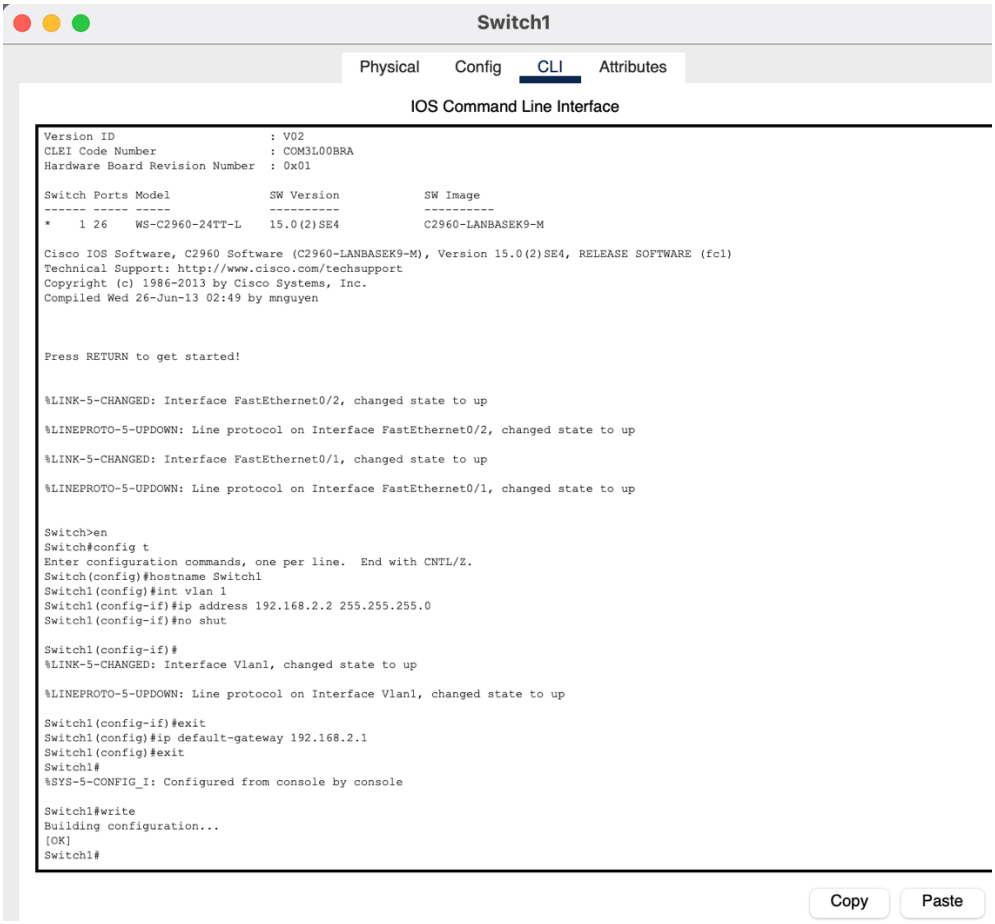
SWITCH 0

```
Switch>en
Switch#config t
Switch(config)#hostname Switch0
Switch0(config)#int vlan 1
Switch0(config-if)#ip address 192.168.1.2 255.255.255.0
Switch0(config-if)#no shut
Switch0(config-if)#exit
Switch0(config)#ip default-gateway 192.168.1.1
Switch0(config)#exit
Switch0#write
Building configuration...
[OK]
Switch0#
```



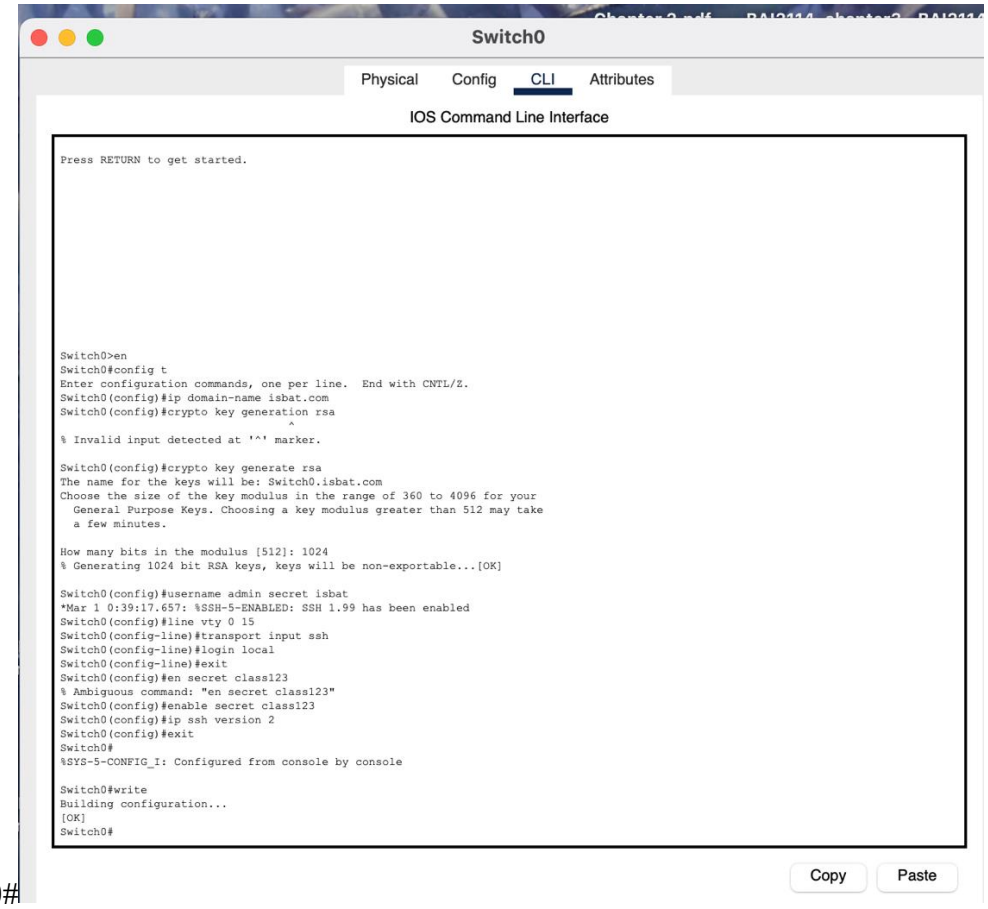
SWITCH 1

```
Switch>en
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Switch1
Switch1(config)#int vlan 1
Switch1(config-if)#ip address 192.168.2.2 255.255.255.0
Switch1(config-if)#no shut
Switch1(config-if)#exit
Switch1(config)#ip default-gateway 192.168.2.1
Switch1(config)#exit
Switch1#write
Building configuration...
[OK]
Switch1#
```



Configuring secure remote access(ssh)on Switch 0

Switch0>en
Switch0#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch0(config)#ip domain-name isbat.com
Switch0(config)#crypto key generate rsa
How many bits in the modulus [512]: 1024
Switch0(config)#username admin secret isbat
Switch0(config)#line vty 0 15
Switch0(config-line)#transport input ssh
Switch0(config-line)#login local
Switch0(config-line)#exit
Switch0(config)#enable secret class123
Switch0(config)#ip ssh version 2
Switch0(config)#exit
Switch0#write
Building configuration...
[OK]



Switch0#

Ping

```
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=2ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\>
```

varification

```
C:\>ssh -1 admin 192.168.1.2
Invalid Command.

C:\>isbat
Invalid Command.

C:\>isbat
Invalid Command.

C:\>
```