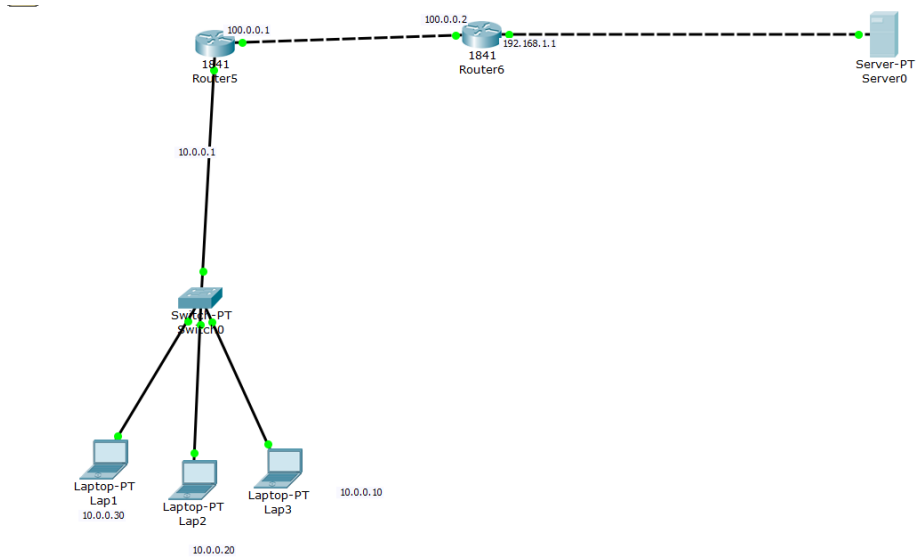
LAB TASK 9

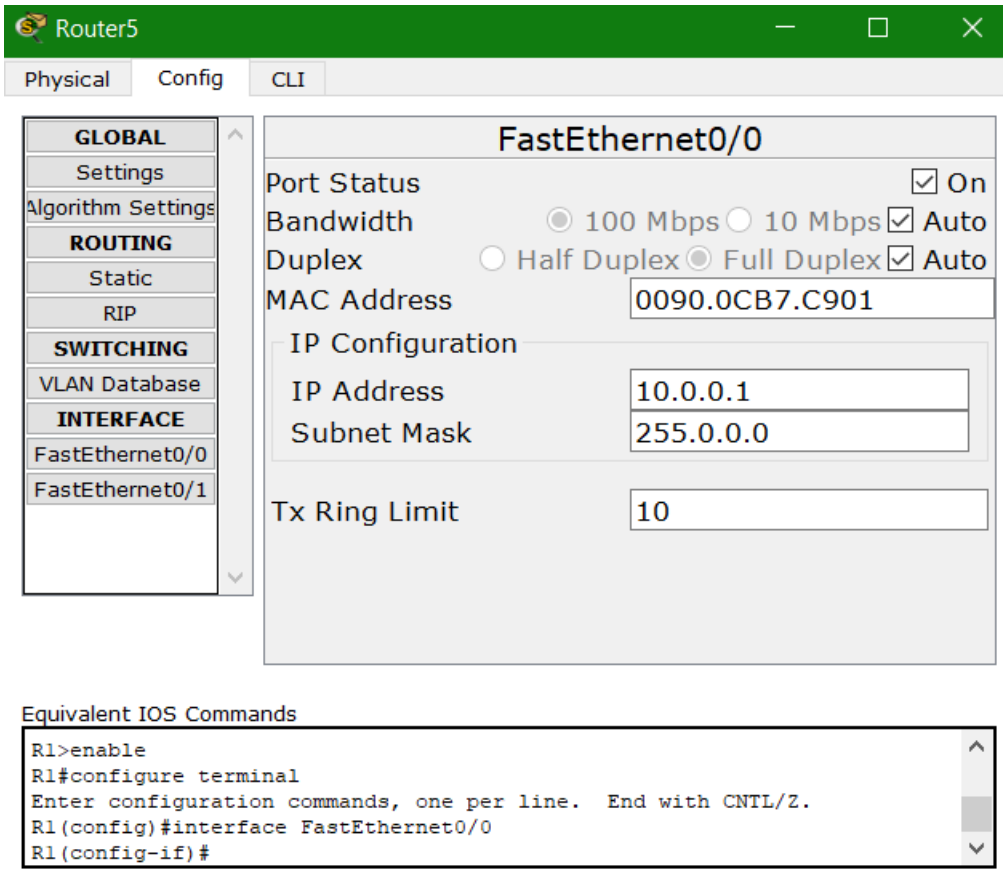
Abdullah Tahir

19P-0067 5-B

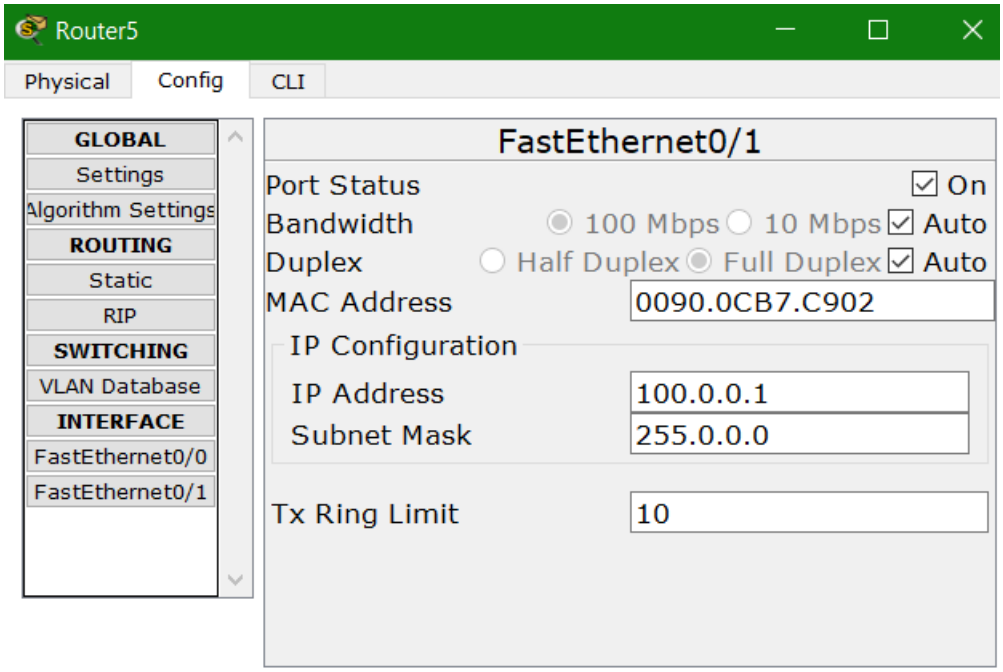
Making NAT



NAT configuration



Router 1



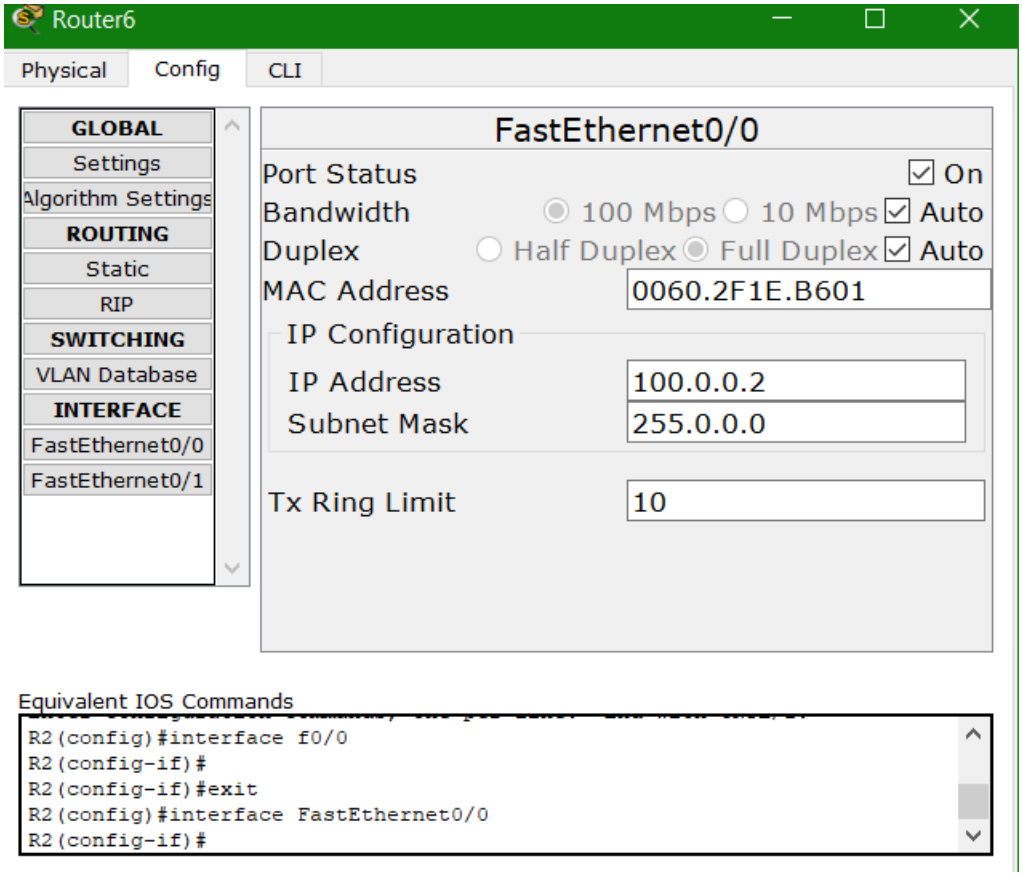
Equivalent IOS Commands

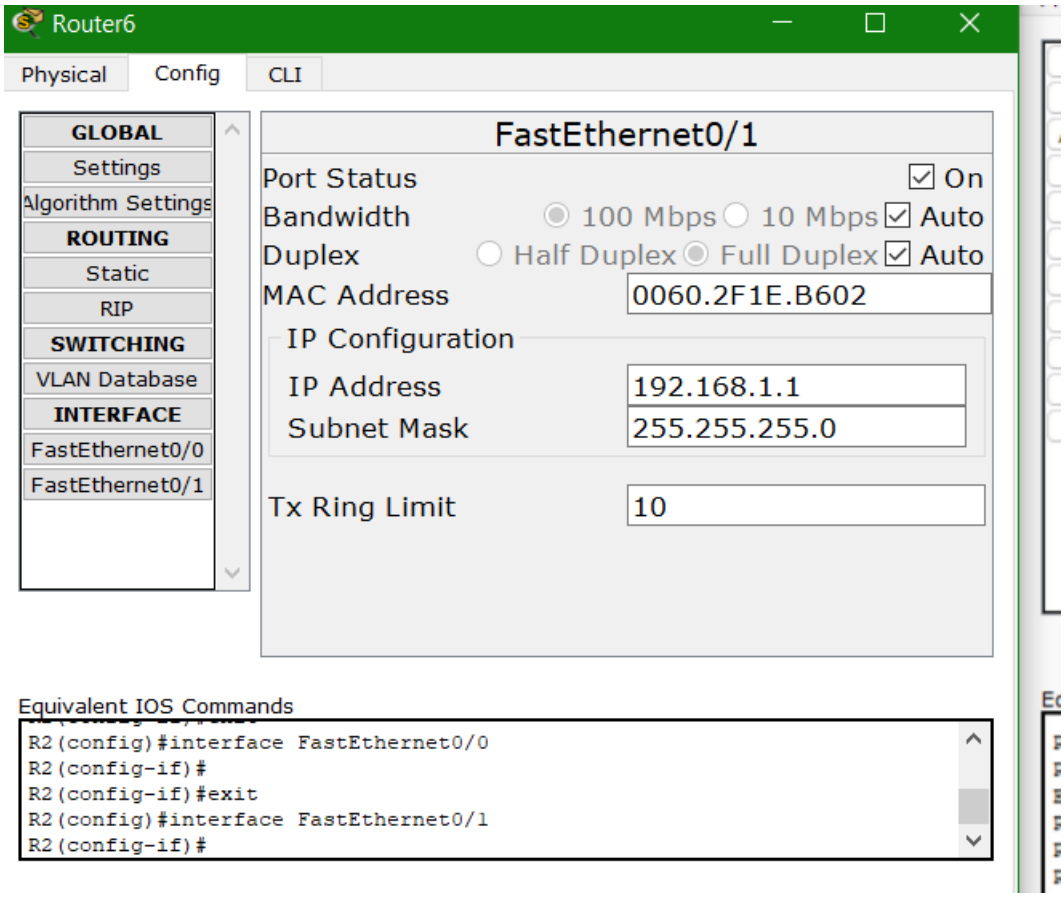
```
R1(config)#interface FastEthernet0/0
R1(config-if)#
R1(config-if)#exit
R1(config)#interface FastEthernet0/1
```

CLI of router 1

```
R1>enable
R1#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#interface FastEthernet0/0
R1(config-if)#
R1(config-if)#exit
R1(config)#interface FastEthernet0/1
R1(config-if)#ex
R1(config)#ex
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#enable
R1#configure ter
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#ip nat inside source 10.0.0.10 50.0.0.10
                                ^
% Invalid input detected at '^' marker.

R1(config)#interface f0/0
R1(config-if)#ip nat inside source 10.0.0.10 50.0.0.10
                                ^
% Invalid input detected at '^' marker.

R1(config-if)#ip nat inside source static 10.0.0.10 50.0.0.10
R1(config)#interface f0/0
R1(config-if)#ip nat inside
R1(config-if)#ex
R1(config)#interface f0/1
R1(config-if)#ip nat inside
R1(config-if)#ip nat outside
R1(config-if)#ex
R1(config)#nat inside source static 10.0.0.20 50.0.0.20
          ^
% Invalid input detected at '^' marker.

R1(config)#ip nat inside source static 10.0.0.30 50.0.0.30
R1(config)#ip route 200.0.0.0 255.255.255.0 100.0.0.2
R1(config)#
```

Router 2


Router6
Physical
Config
CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0060.2F1E.B601
IP Configuration
IP Address
100.0.0.2
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
R2(config)#interface f0/0
R2(config-if)#
R2(config-if)#exit
R2(config)#interface FastEthernet0/0
R2(config-if)#


Router6
Physical
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Algorithm Settings
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VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/1
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0060.2F1E.B602
IP Configuration
IP Address
192.168.1.1
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
R2(config)#interface FastEthernet0/0
R2(config-if)#
R2(config-if)#exit
R2(config)#interface FastEthernet0/1
R2(config-if)#

Sending packet

```
Packet Tracer PC Command Line 1.0
PC>ping 200.0.0.10

Pinging 200.0.0.10 with 32 bytes of data:

Reply from 200.0.0.10: bytes=32 time=1ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=1ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126

Ping statistics for 200.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>ping 200.0.0.10

Pinging 200.0.0.10 with 32 bytes of data:

Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=11ms TTL=126

Ping statistics for 200.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 11ms, Average = 2ms
```

```
PC>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```