Computer Networks

Lab 12

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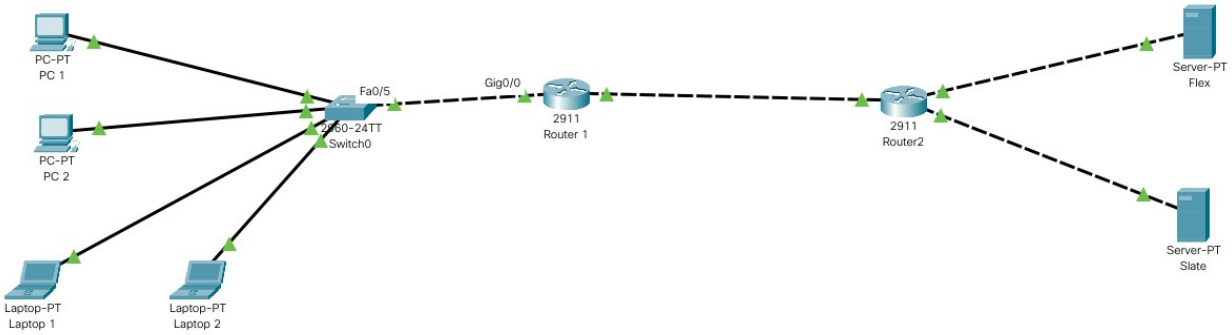
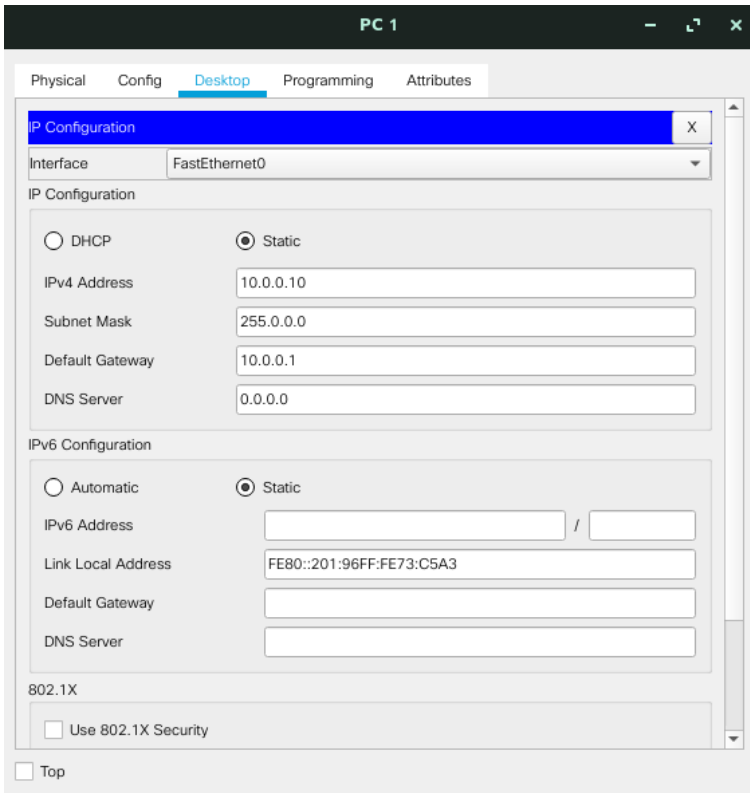
20P-0117
BSSE-5A

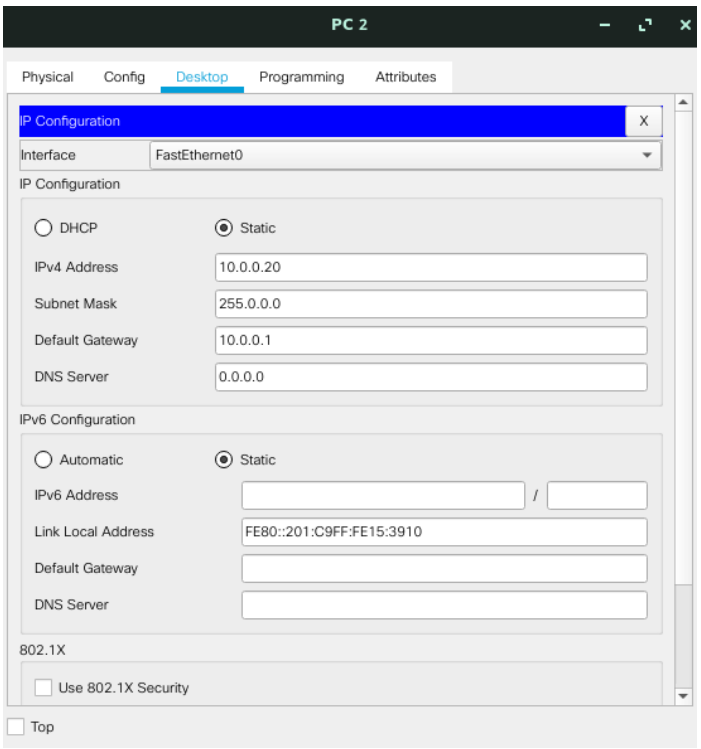
Task:

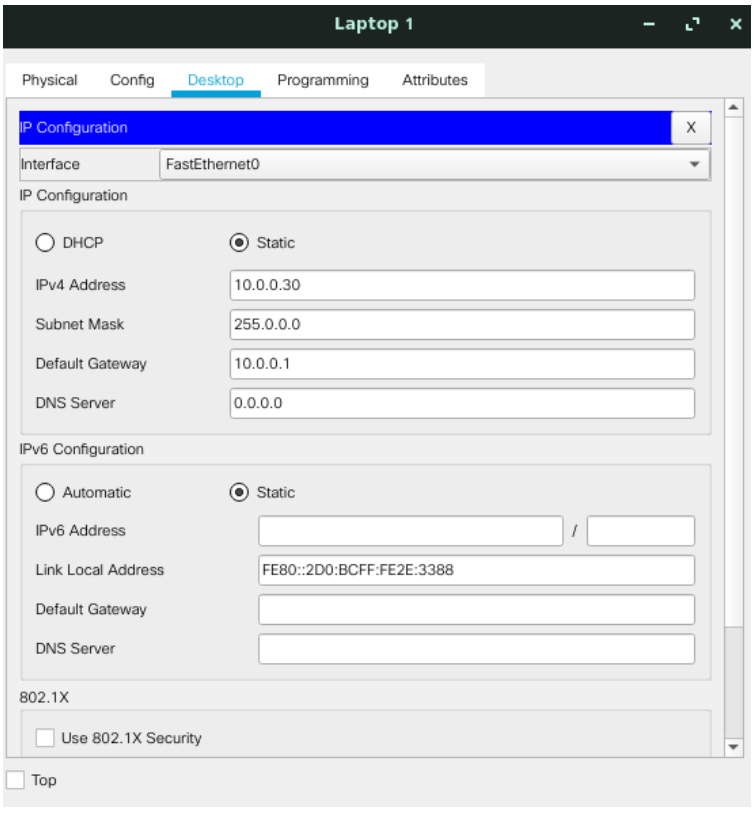
Topology:
The network is like this.

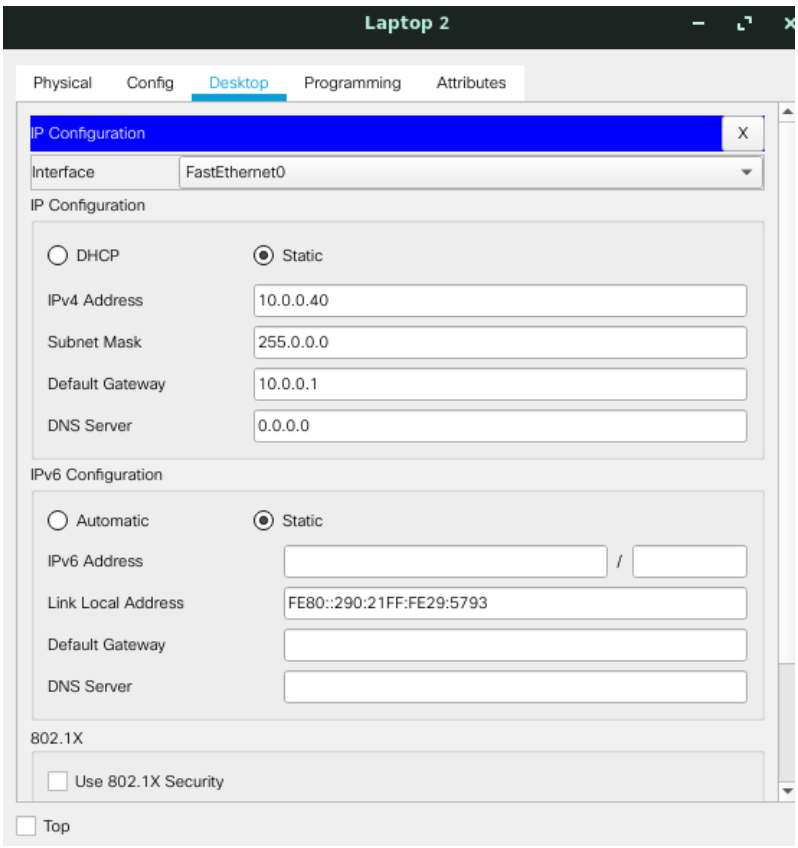


Steps:
First assign IP to all the PC and laptops and also assign Default gateway.

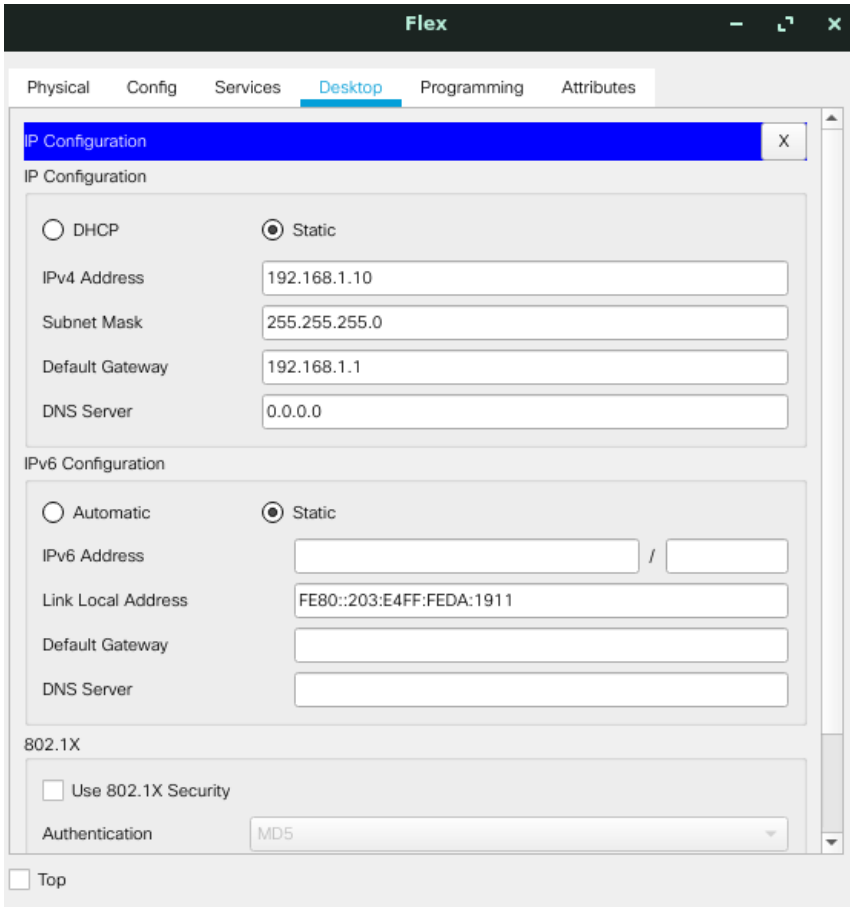


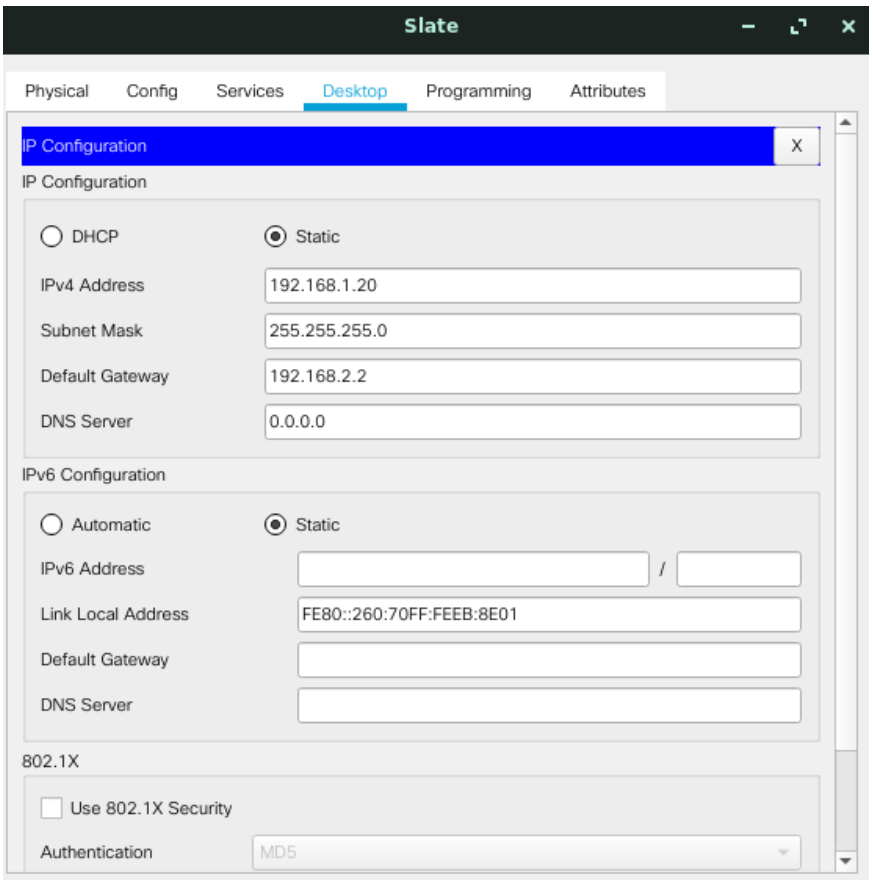

PC 2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
10.0.0.20
Subnet Mask
255.0.0.0
Default Gateway
10.0.0.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::201:C9FF:FE15:3910
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Top


Laptop 1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
10.0.0.30
Subnet Mask
255.0.0.0
Default Gateway
10.0.0.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::2D0:BCFF:FE2E:3388
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Top

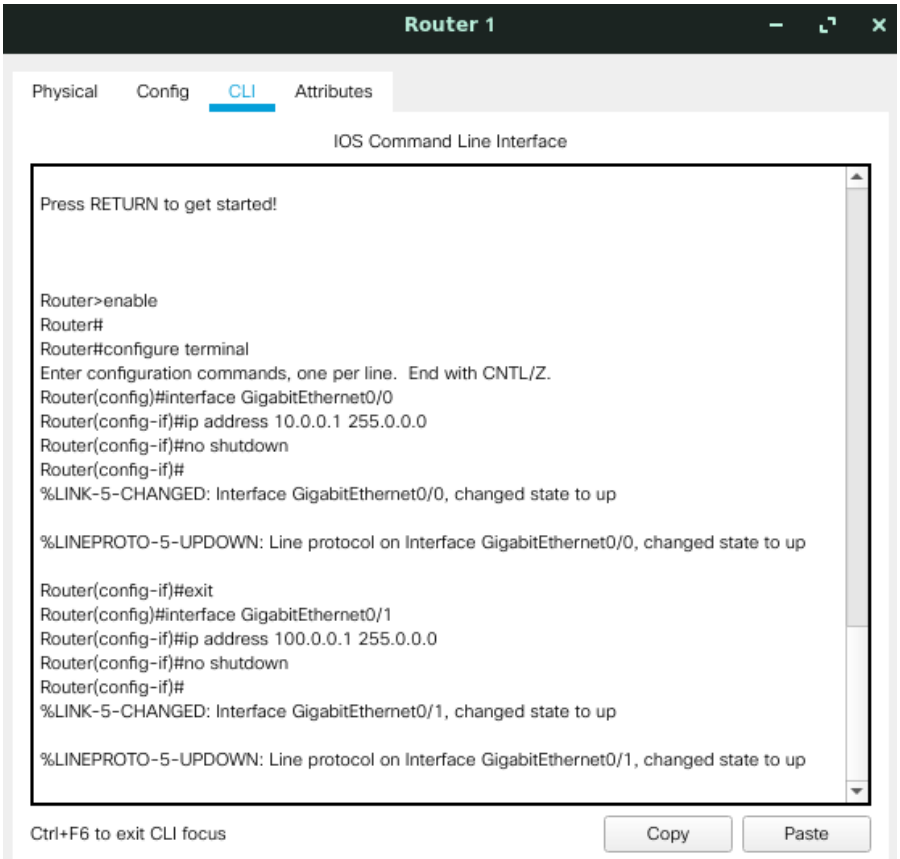


Now do configuration of servers.

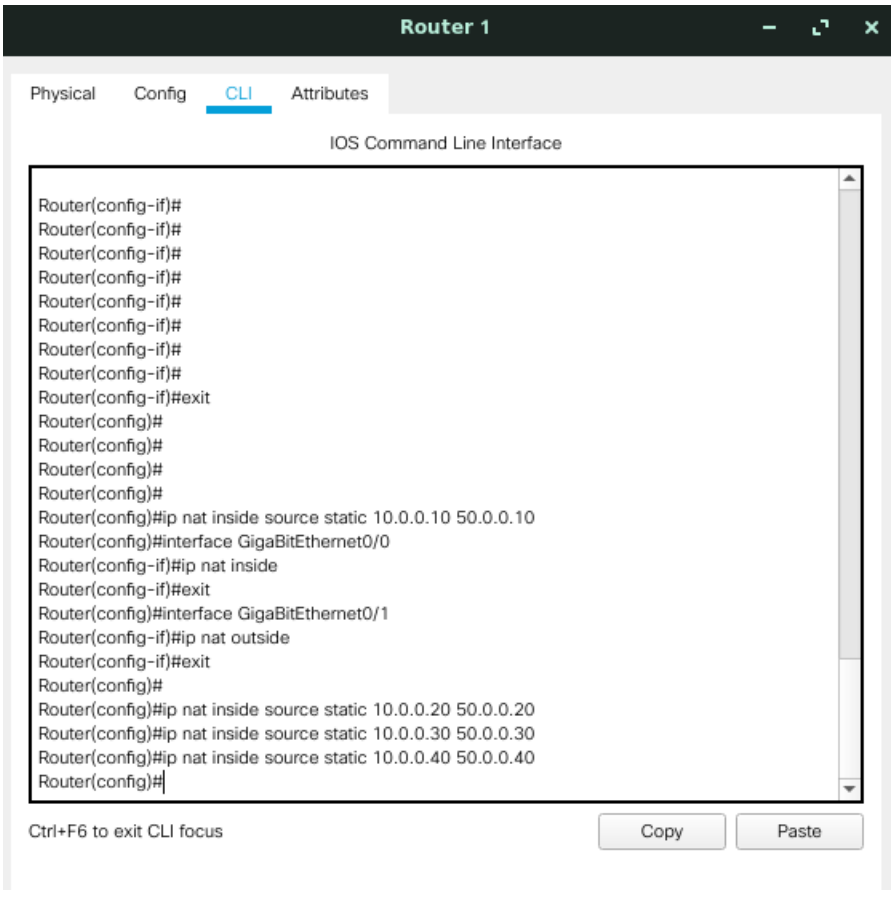


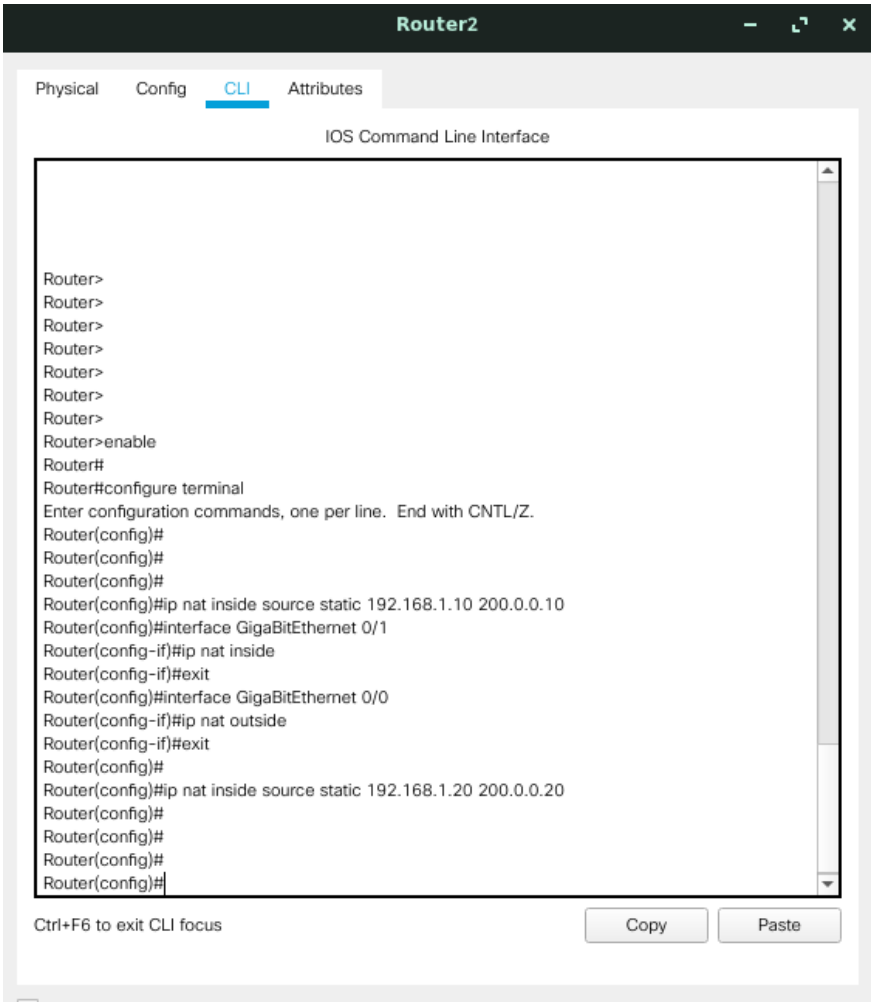


Now, do configuration of router connections by assigning IPs.

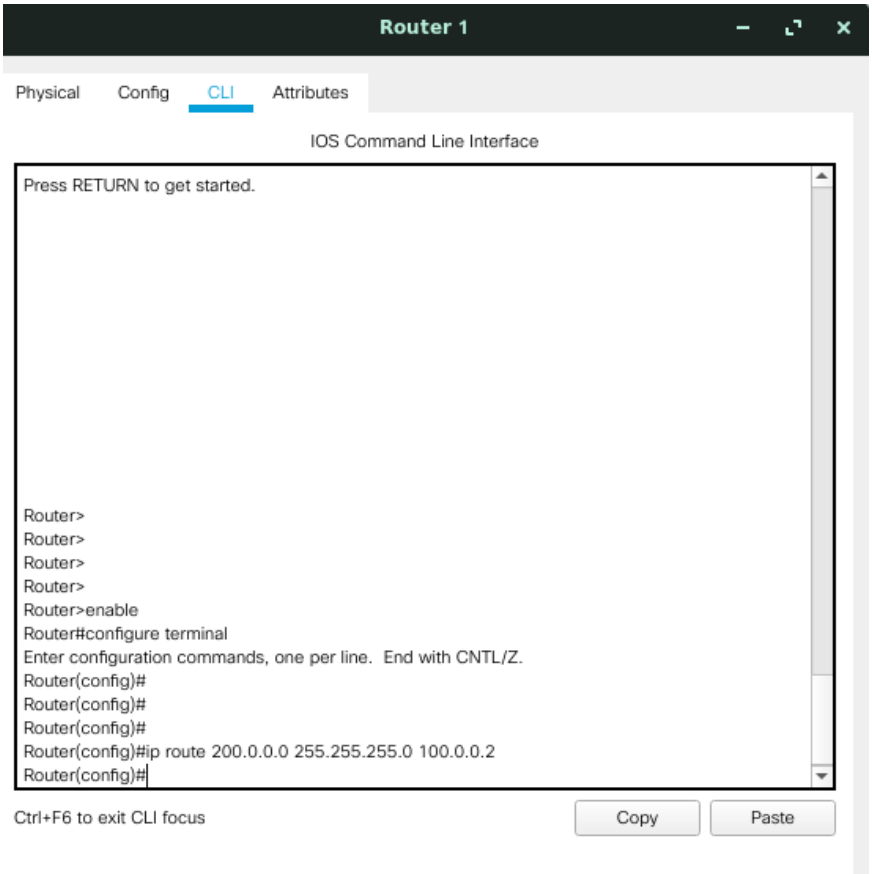


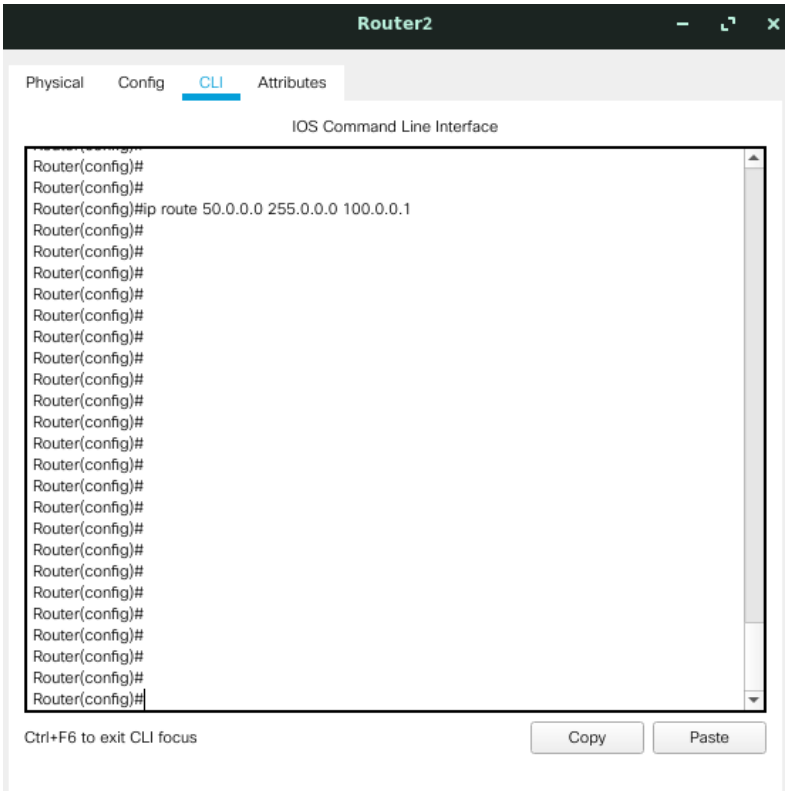
Now setup the NET addresses of all PCs.



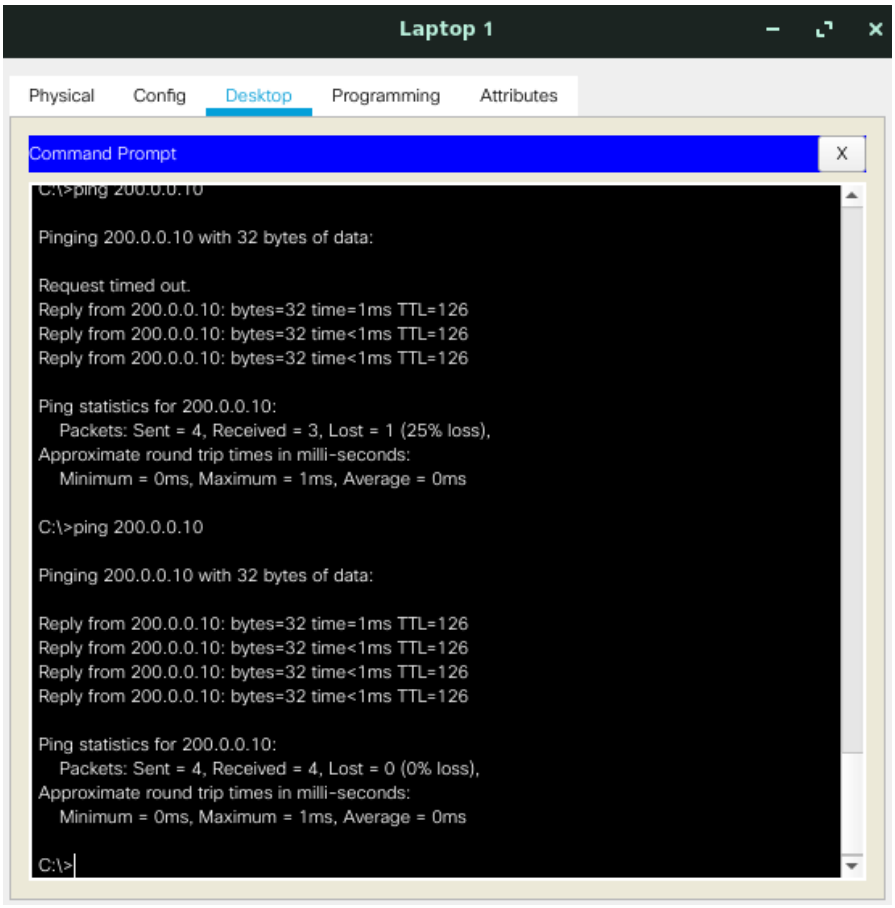
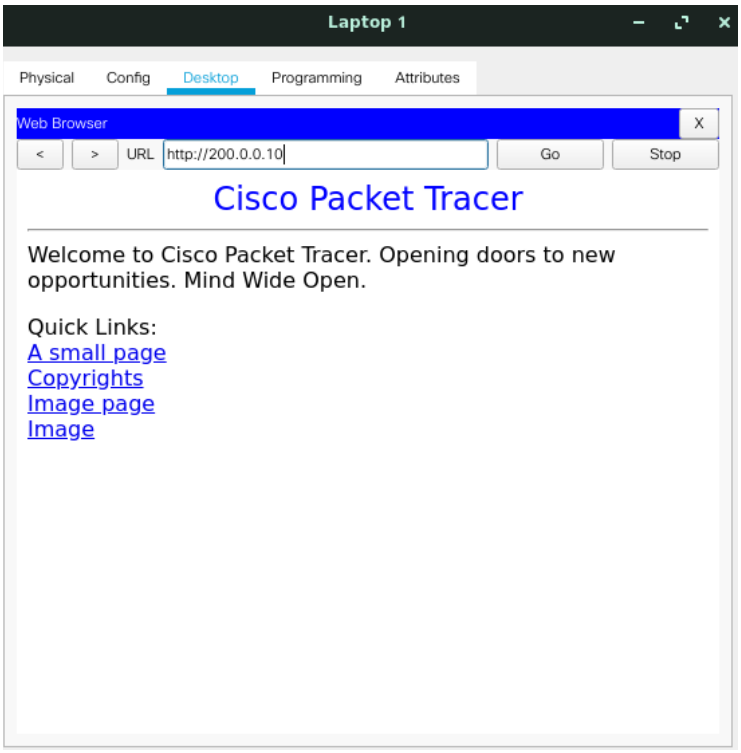


Now do configuration of route of routers.





Now you can verify your NAT connection by pinging through PC or laptops.



And can also verify by URL through browser.