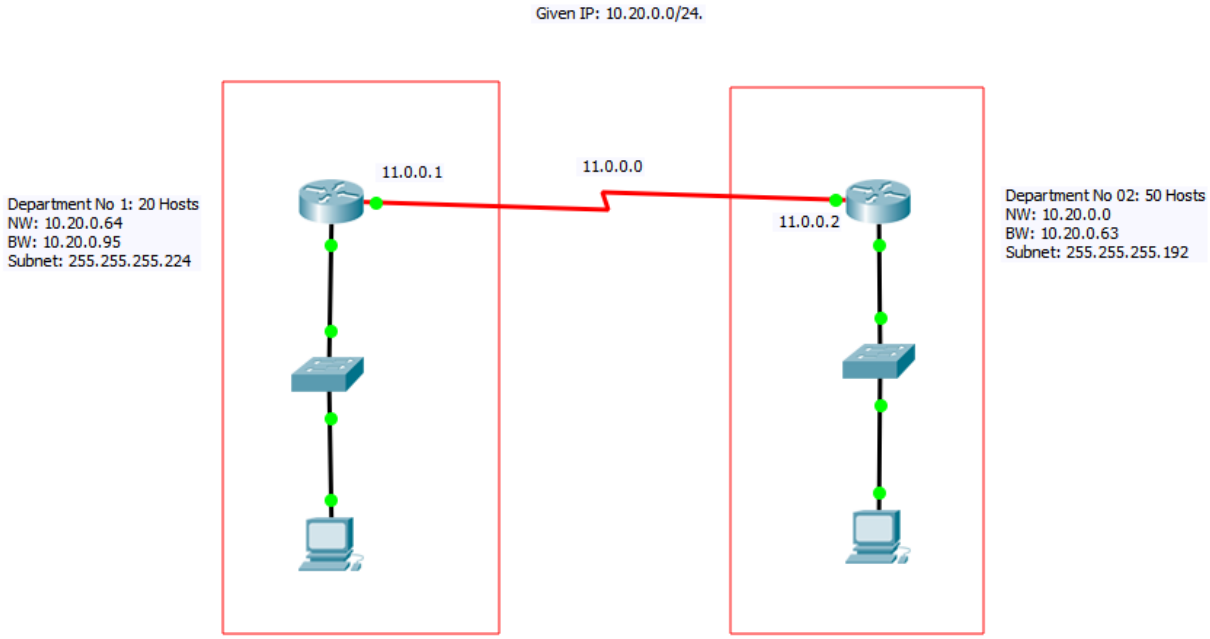
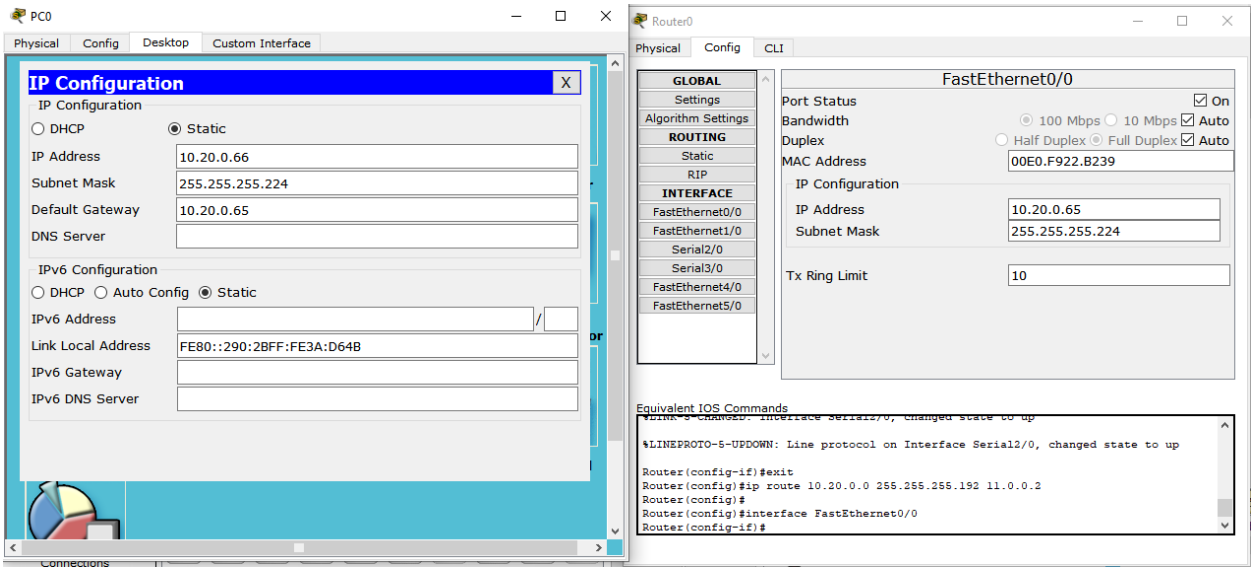
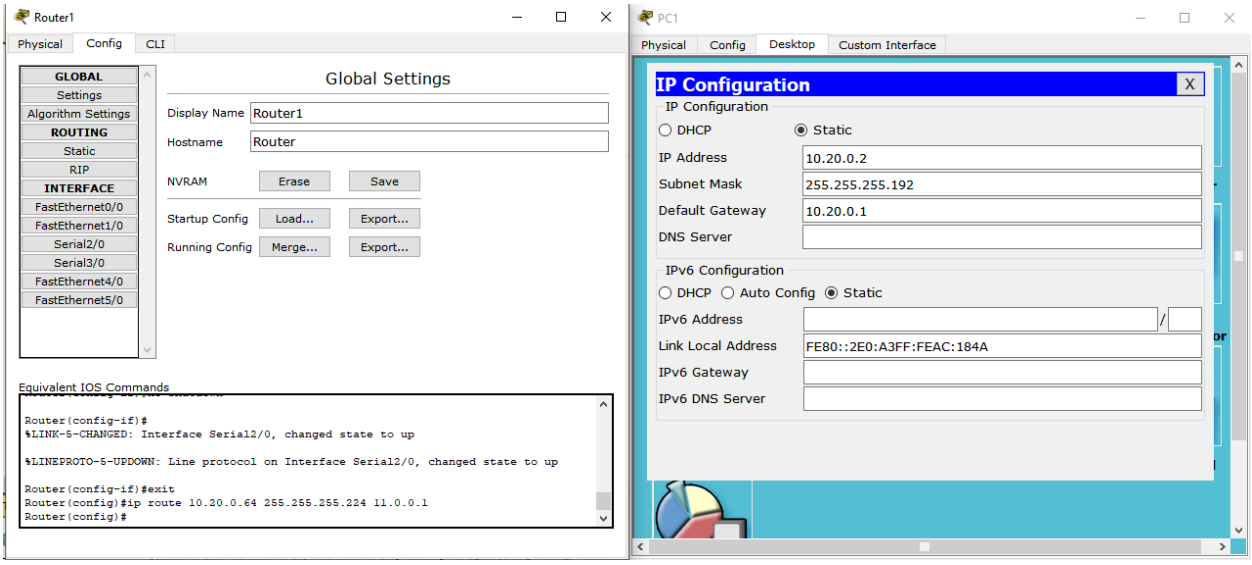
QUESTION NO 01

TOPOLOGY

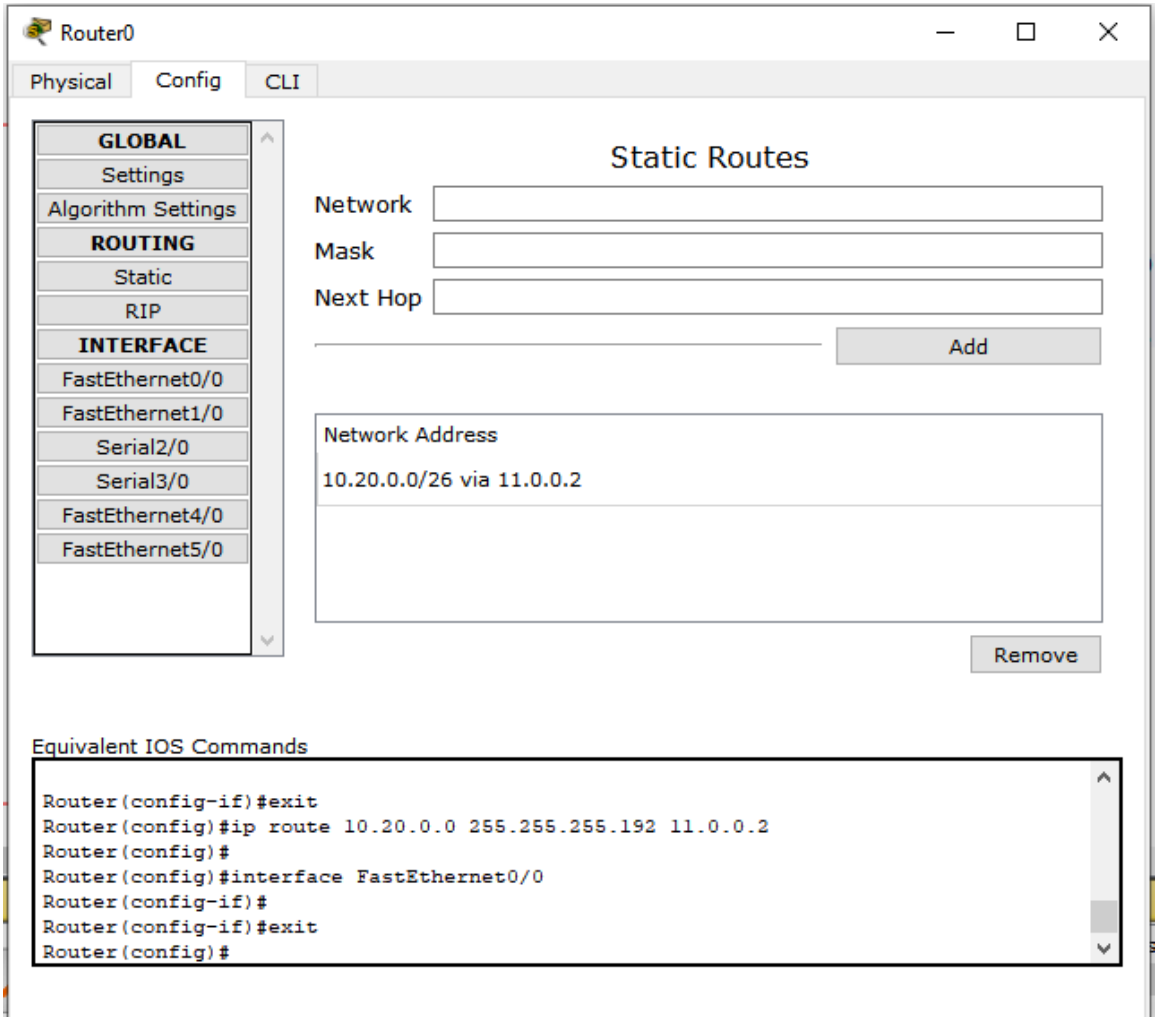


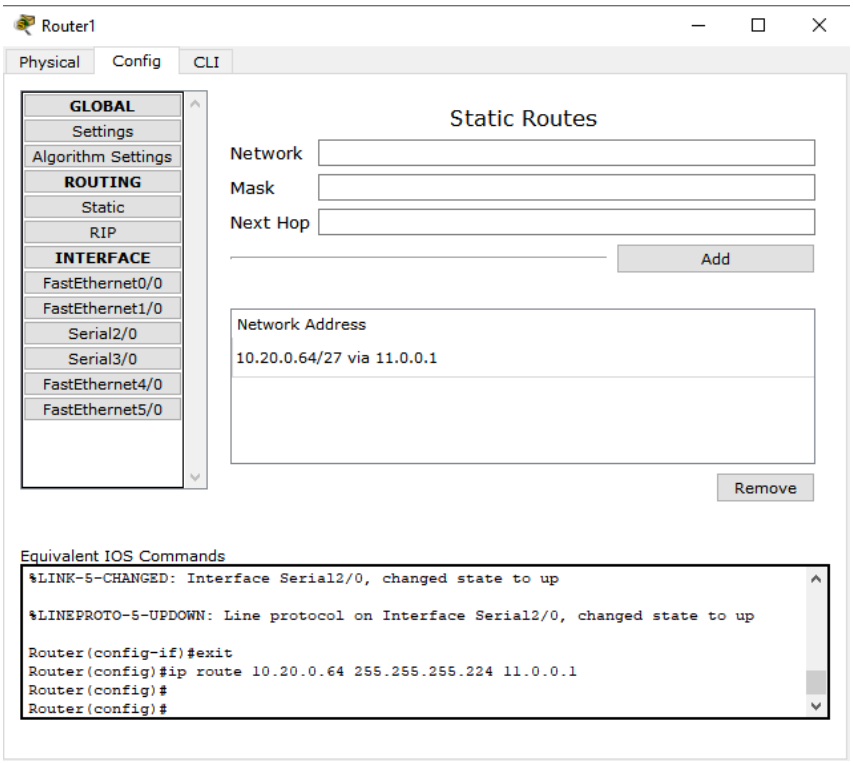
NETWORK CONFIGURATION AND PC



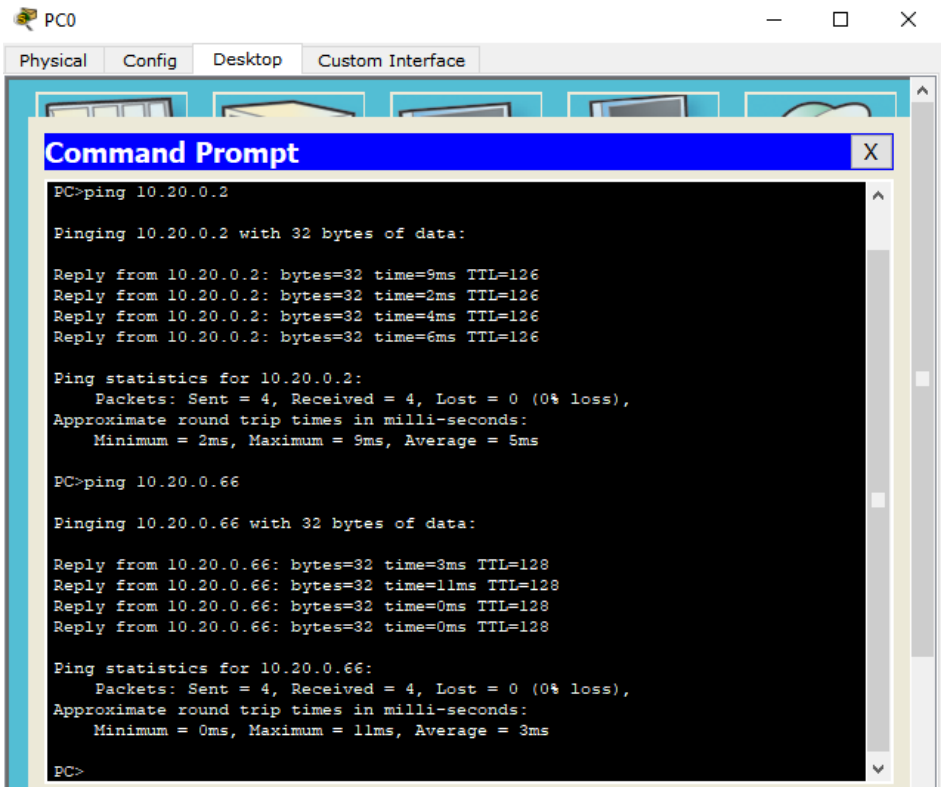


STATIC ROUTING



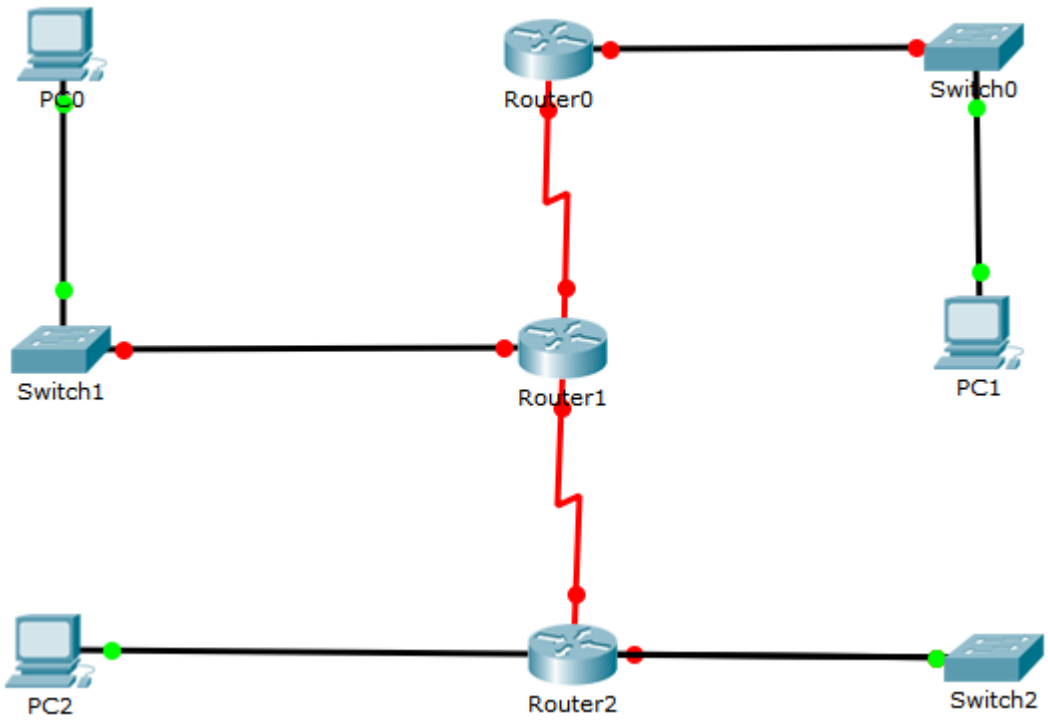


CONNECTION SUCCESSFUL

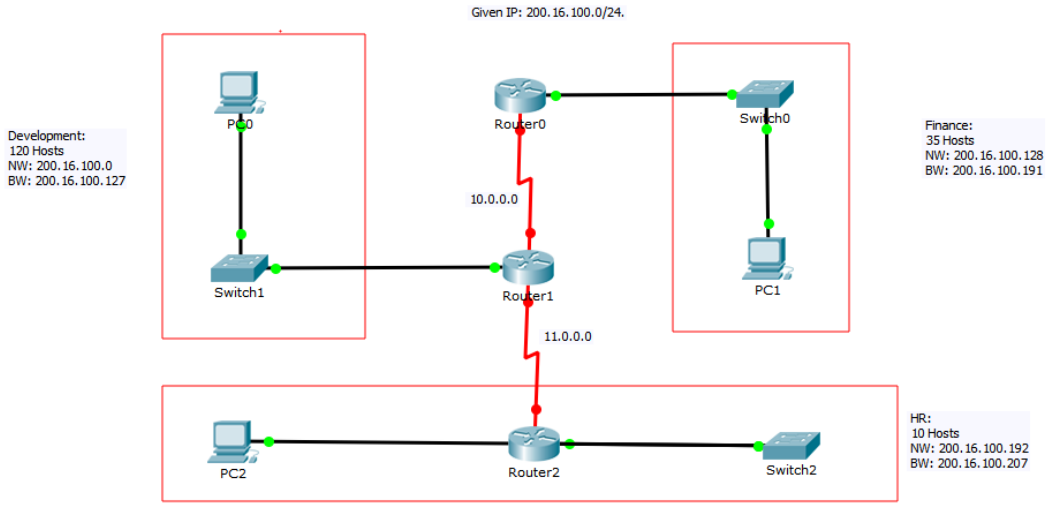


QUESTION NO 02

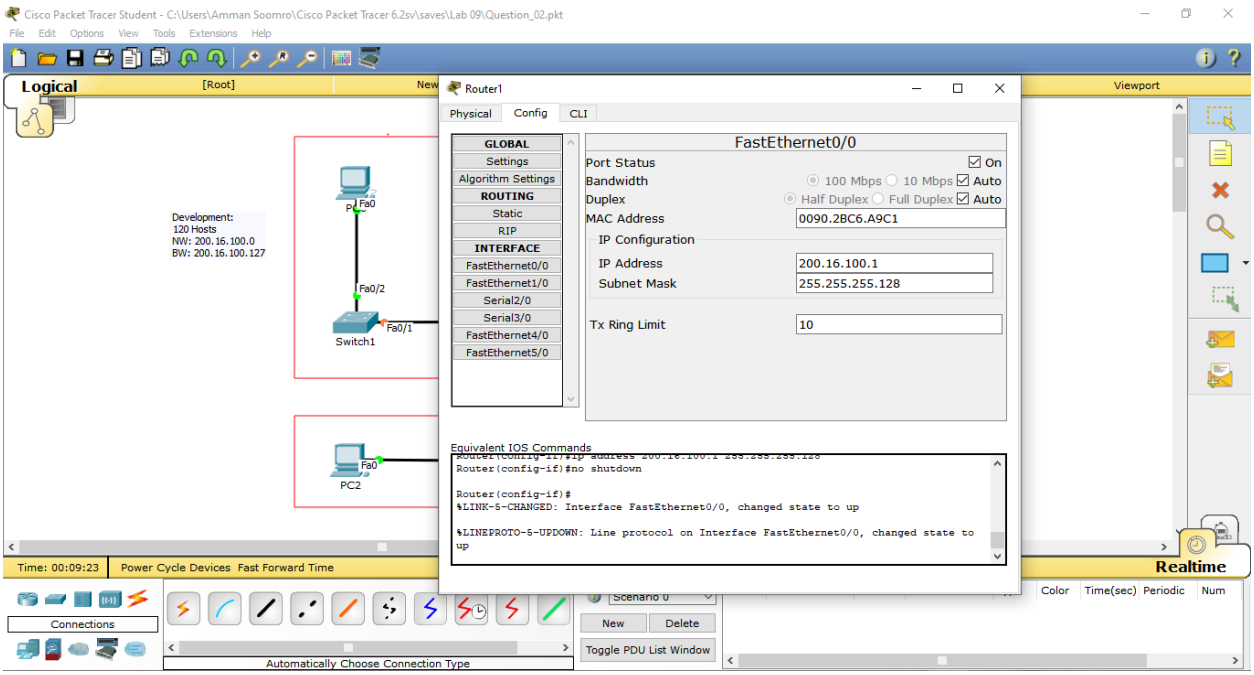
TOPOLOGY

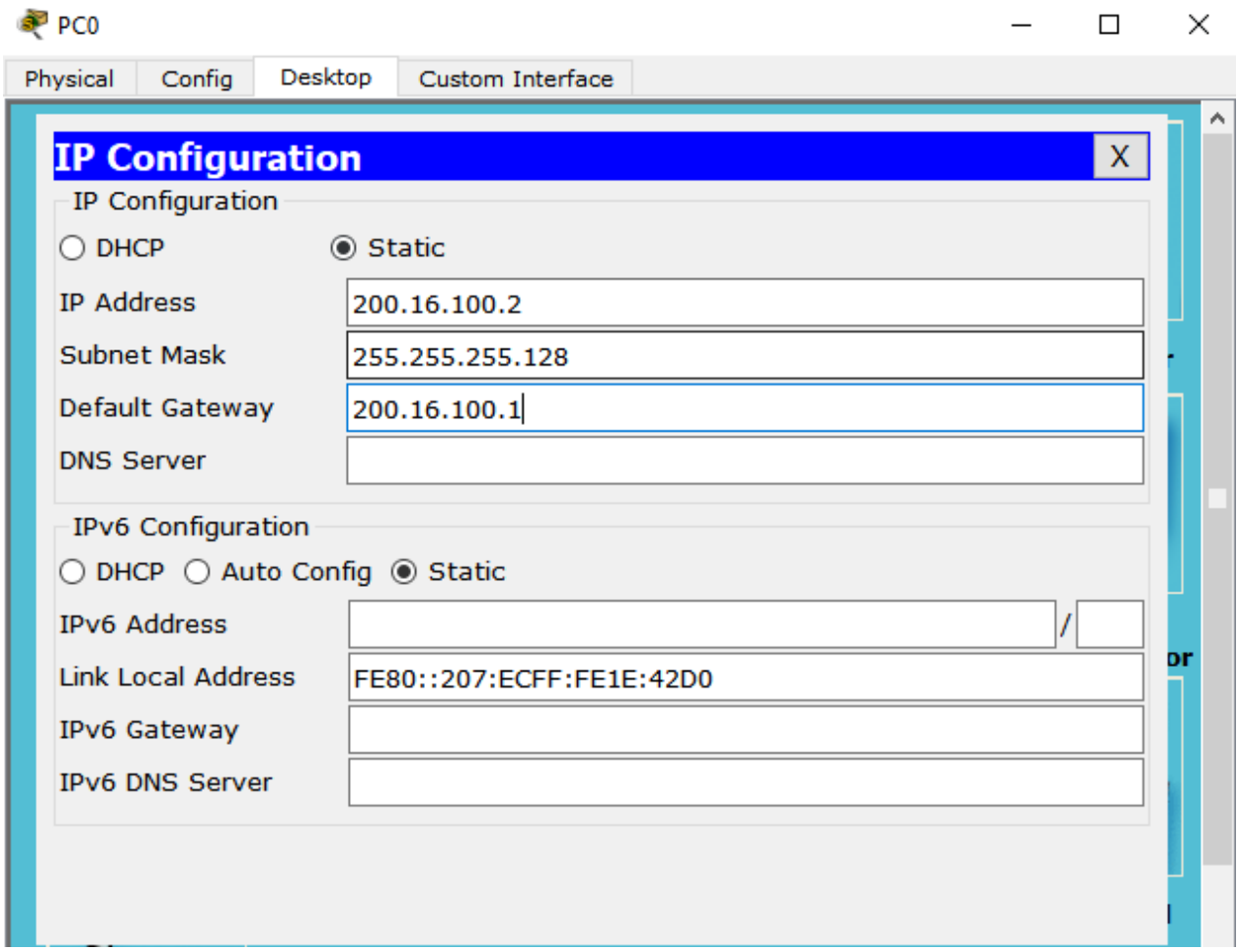


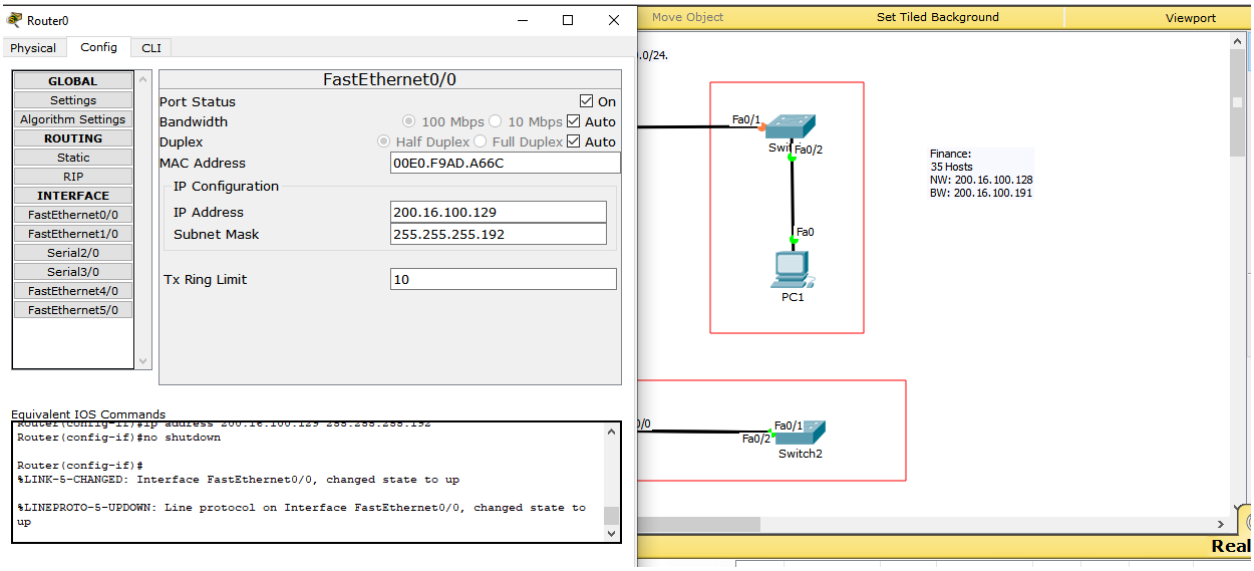
QUESTION REQUIREMENTS

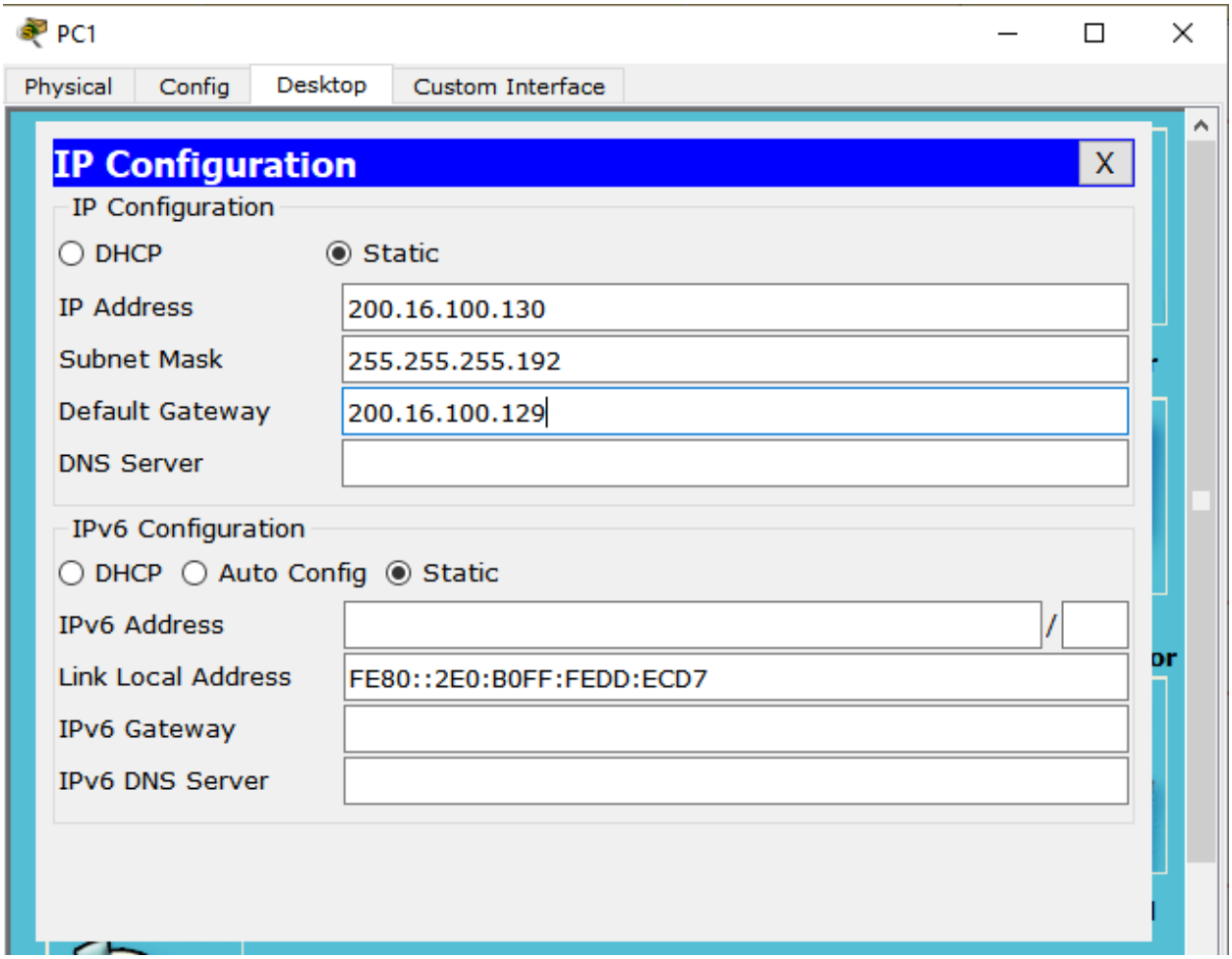


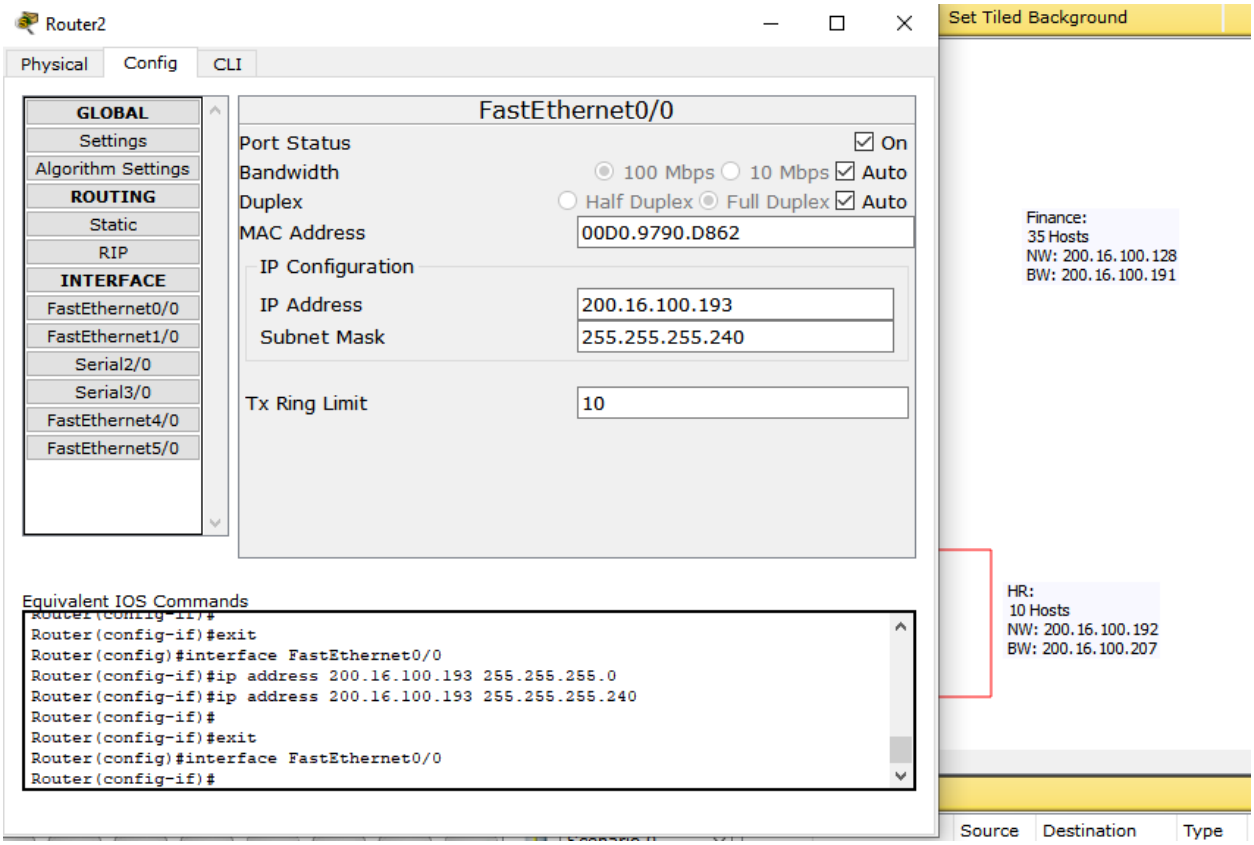
CONFIGURING REQUIRED NETWORKS

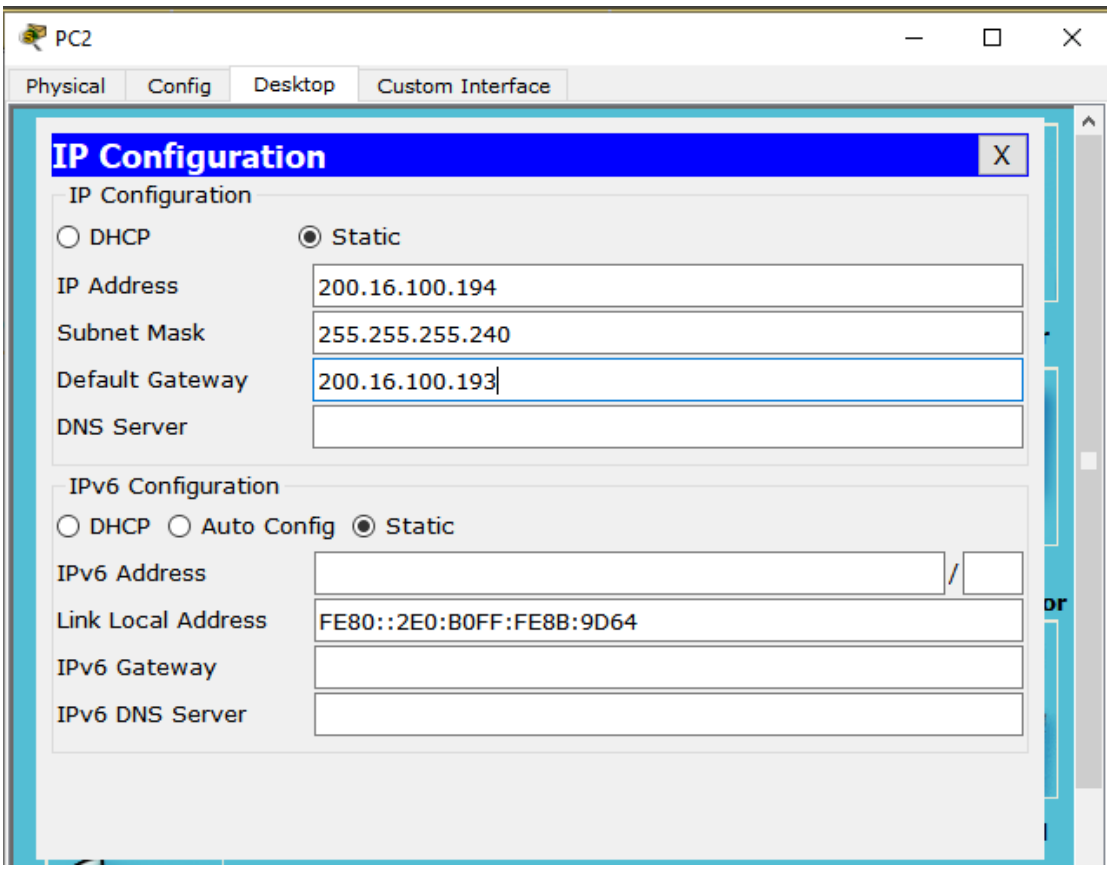




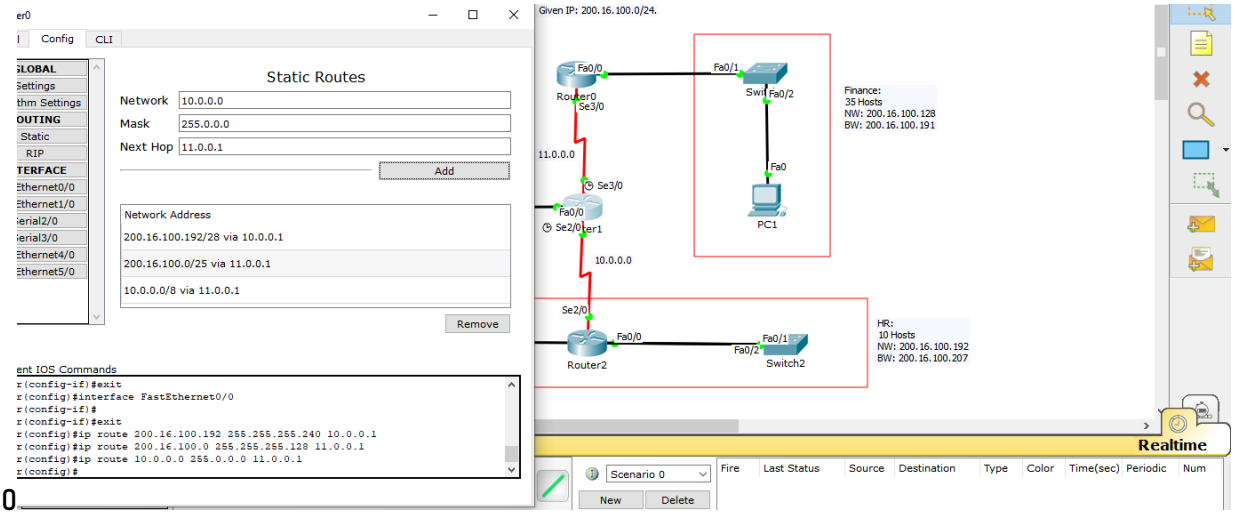

Router0
Physical
Config
CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
00E0.F9AD.A66C
IP Configuration
IP Address
200.16.100.129
Subnet Mask
255.255.255.192
Tx Ring Limit
10
Equivalent IOS Commands
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Move Object
Set Tiled Background
Viewport
Fa0/1
Fa0/2
Fa0
PC1
Finance:
35 Hosts
NW: 200.16.100.128
BW: 200.16.100.191
Switch2

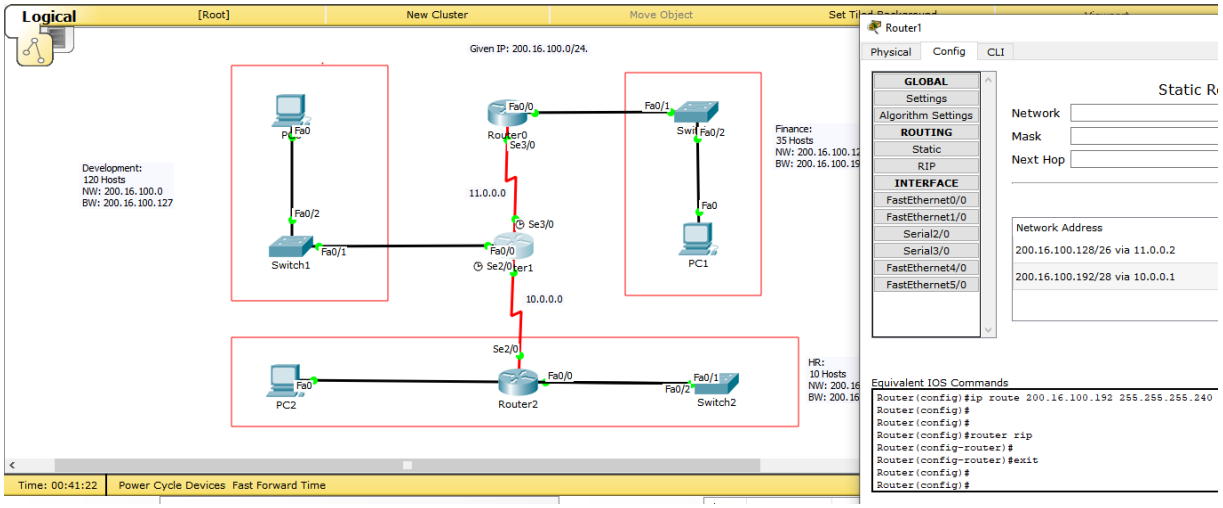

PC1
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
200.16.100.130
Subnet Mask
255.255.255.192
Default Gateway
200.16.100.129
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::2E0:B0FF:FEDD:ECD7
IPv6 Gateway
IPv6 DNS Server

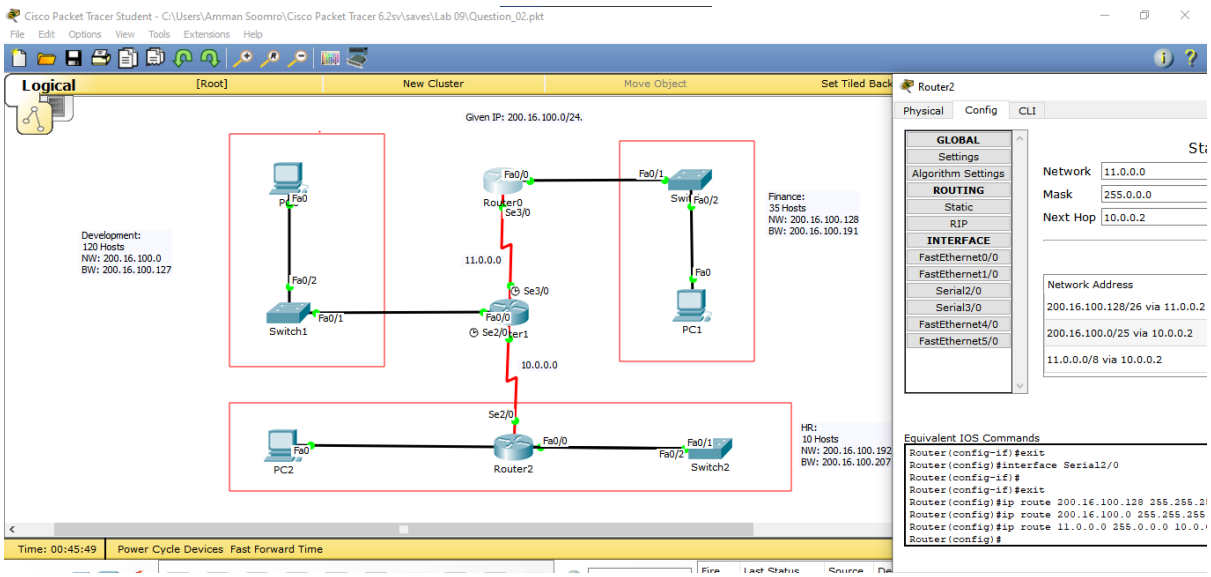

Router2
Physical
Config
CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
00D0.9790.D862
IP Configuration
IP Address
200.16.100.193
Subnet Mask
255.255.255.240
Tx Ring Limit
10
Equivalent IOS Commands
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 200.16.100.193 255.255.255.0
Router(config-if)#ip address 200.16.100.193 255.255.255.240
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Set Tiled Background
Finance:
35 Hosts
NW: 200.16.100.128
BW: 200.16.100.191
HR:
10 Hosts
NW: 200.16.100.192
BW: 200.16.100.207
Source
Destination
Type


PC2
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
200.16.100.194
Subnet Mask
255.255.255.240
Default Gateway
200.16.100.193
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::2E0:B0FF:FE8B:9D64
IPv6 Gateway
IPv6 DNS Server

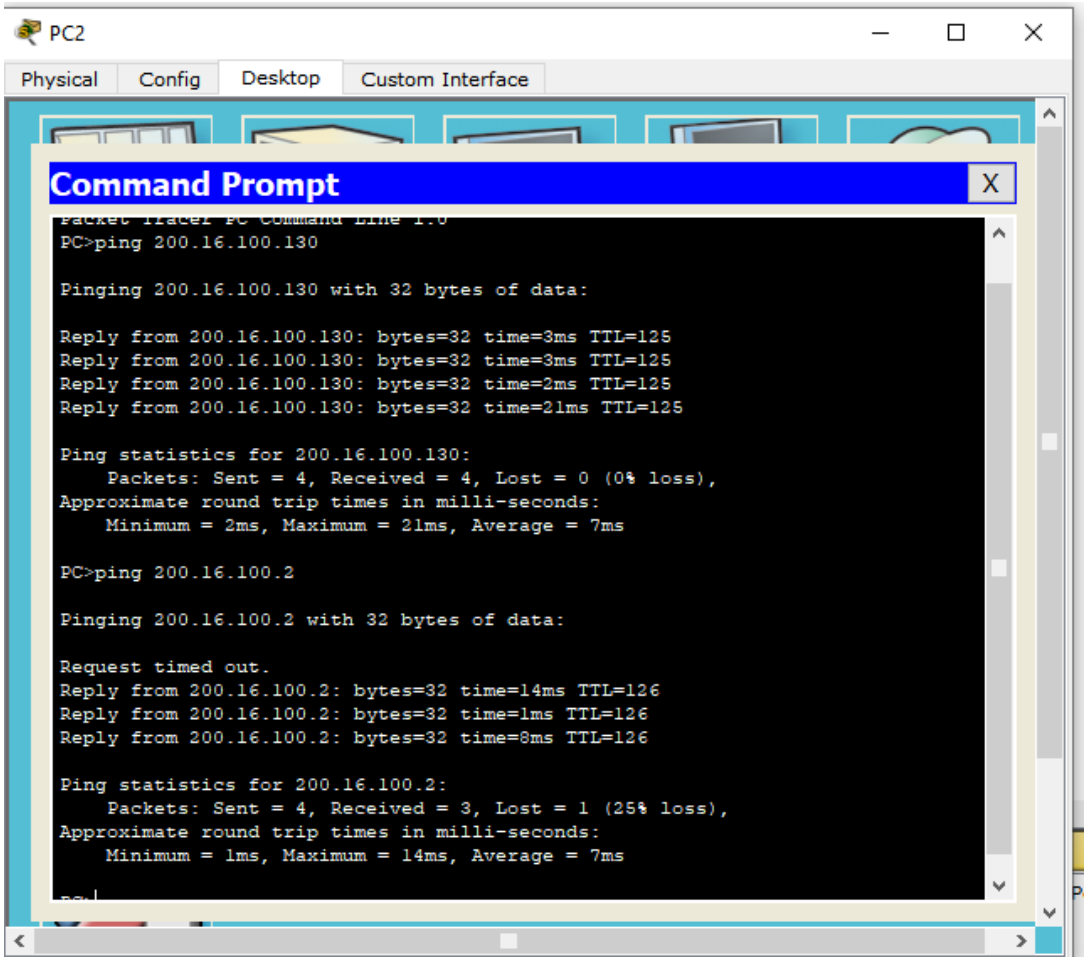
STATIC ROUTING ON ROUTERS

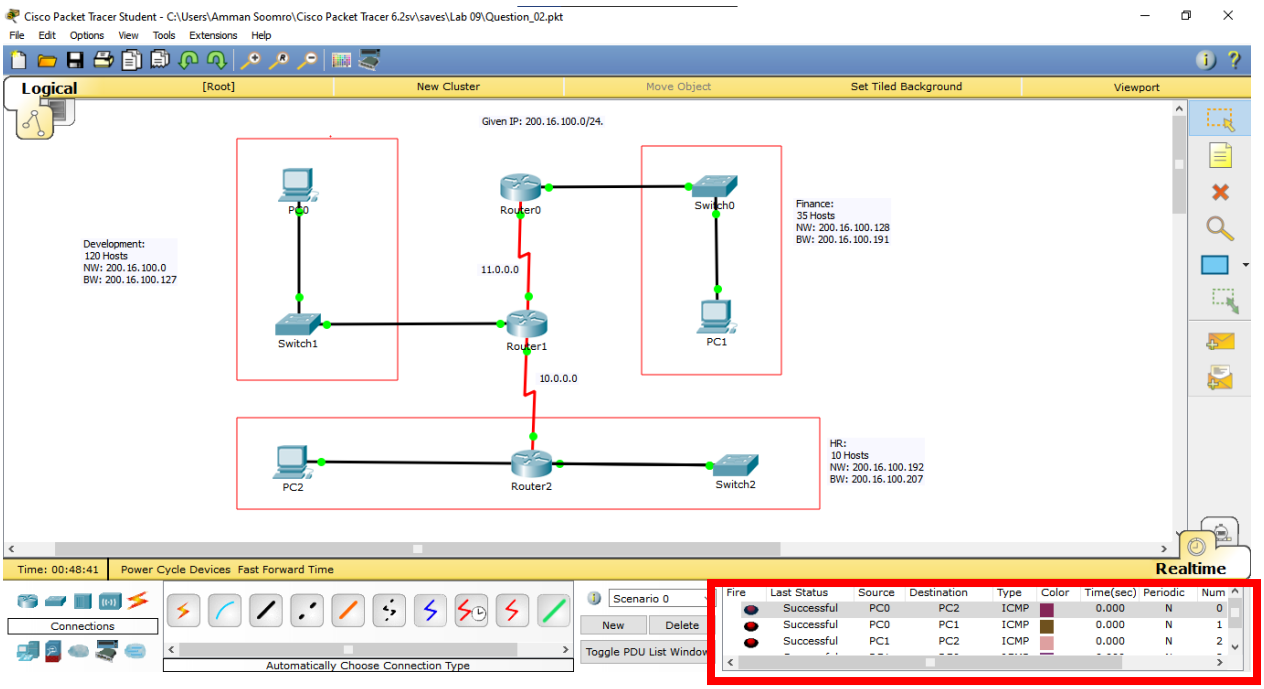






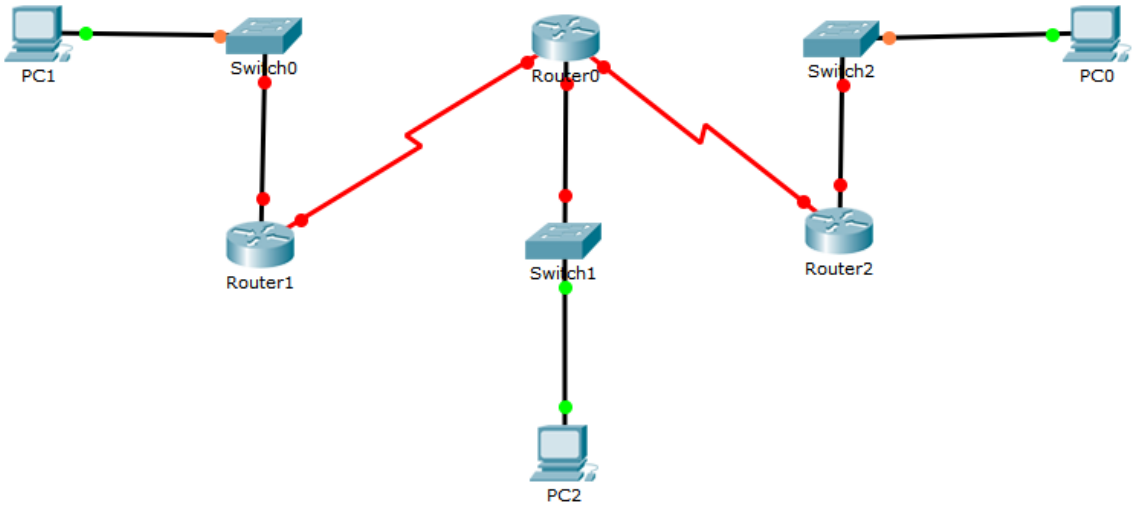
CONNECTION SUCCESSFUL





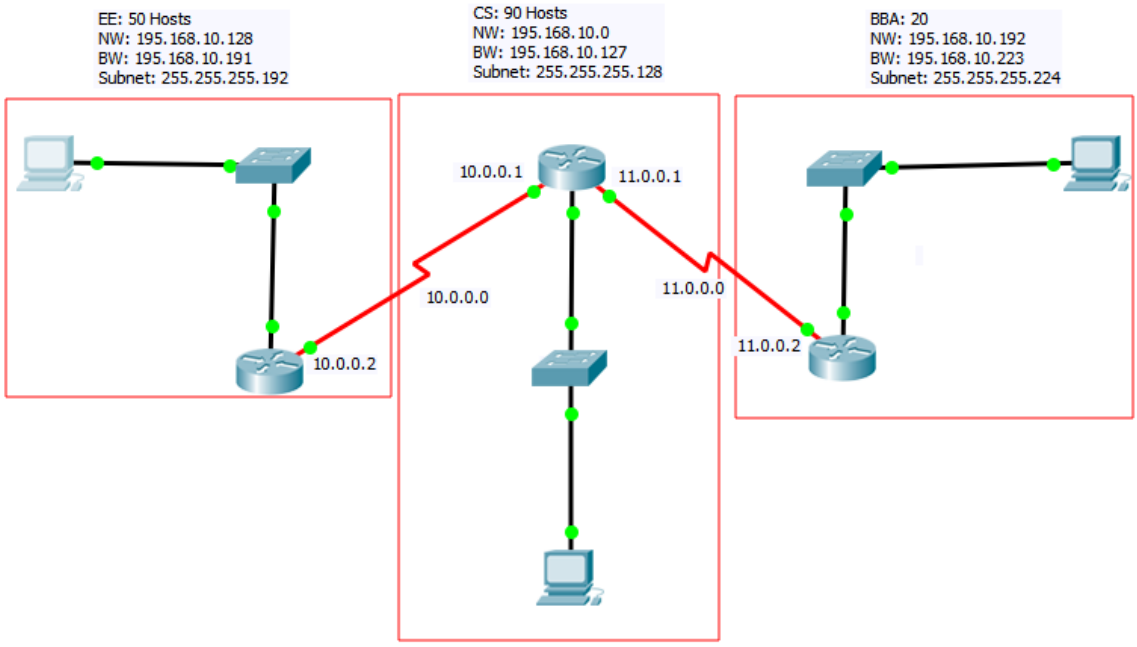
QUESTION NO 03

TOPOLOGY

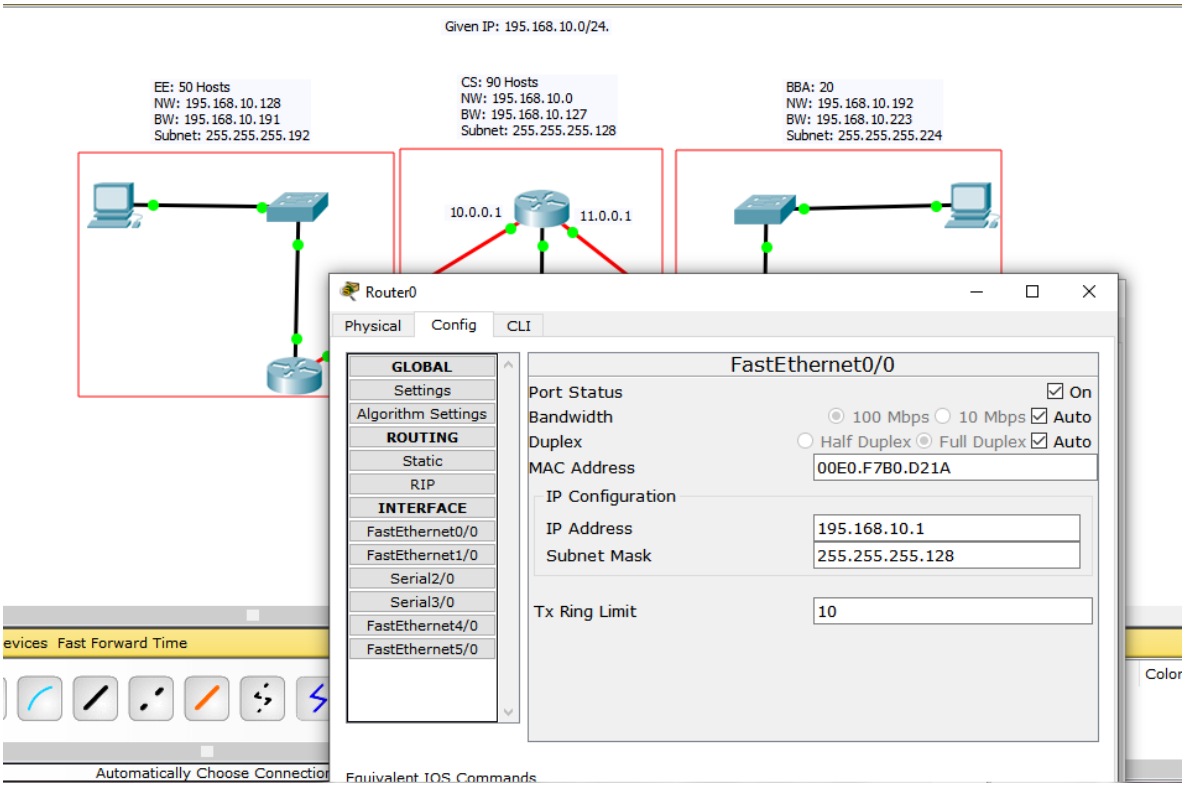


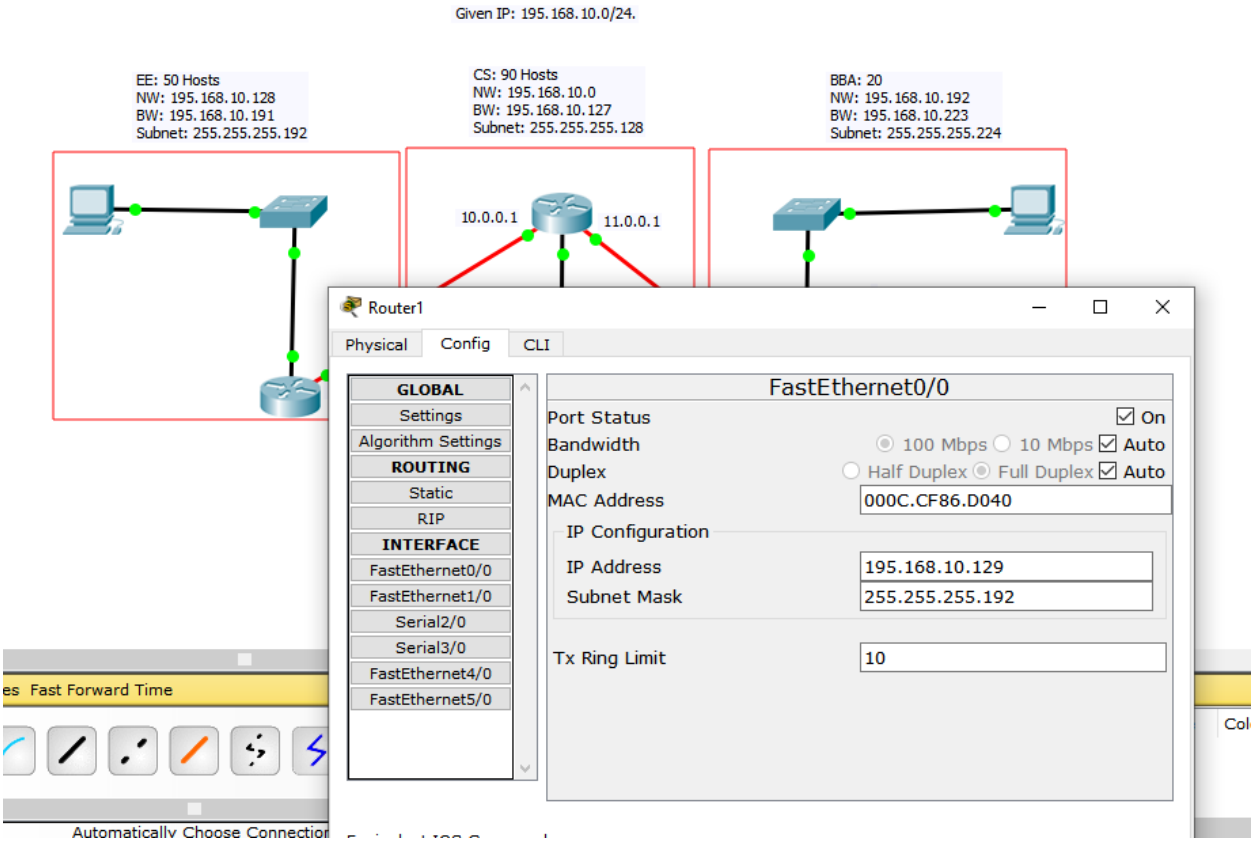
QUESTION REQUIREMENTS

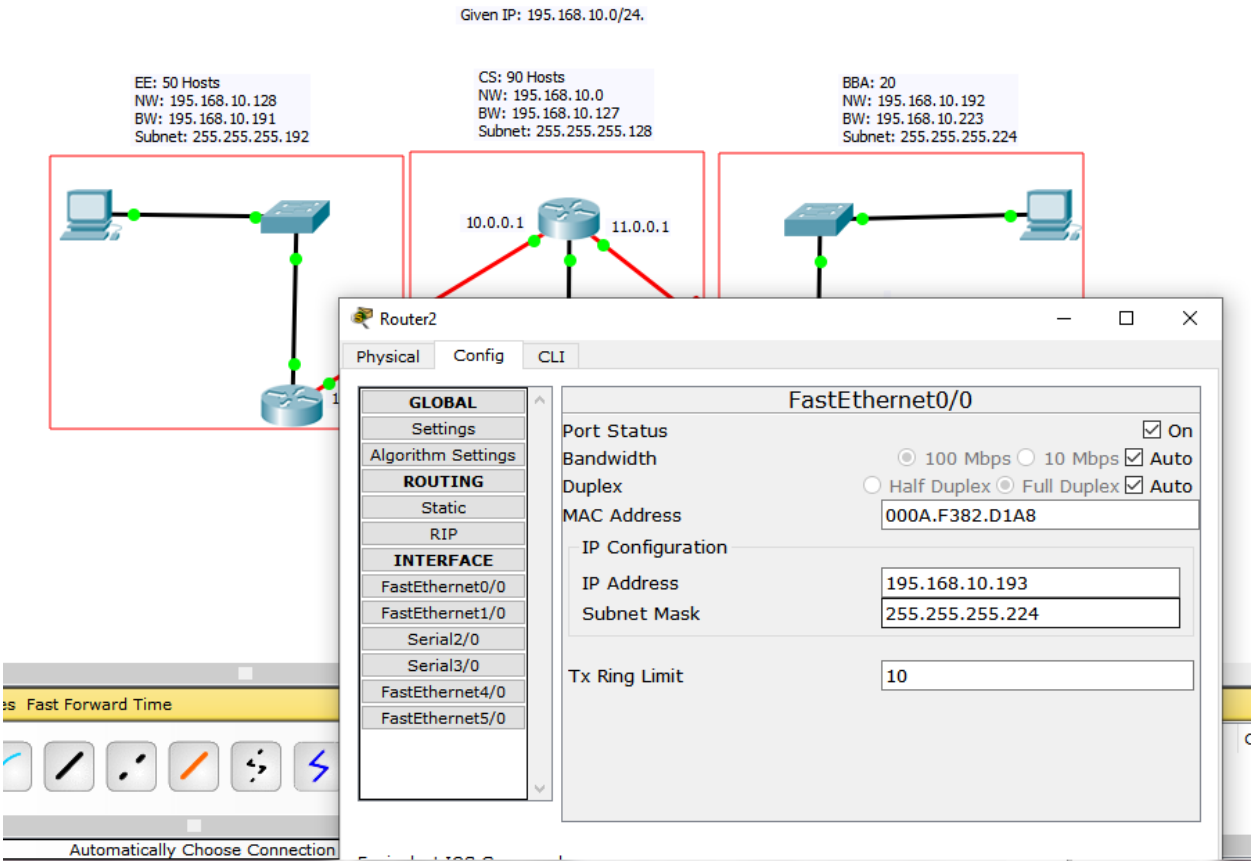
Given IP: 195.168.10.0/24.

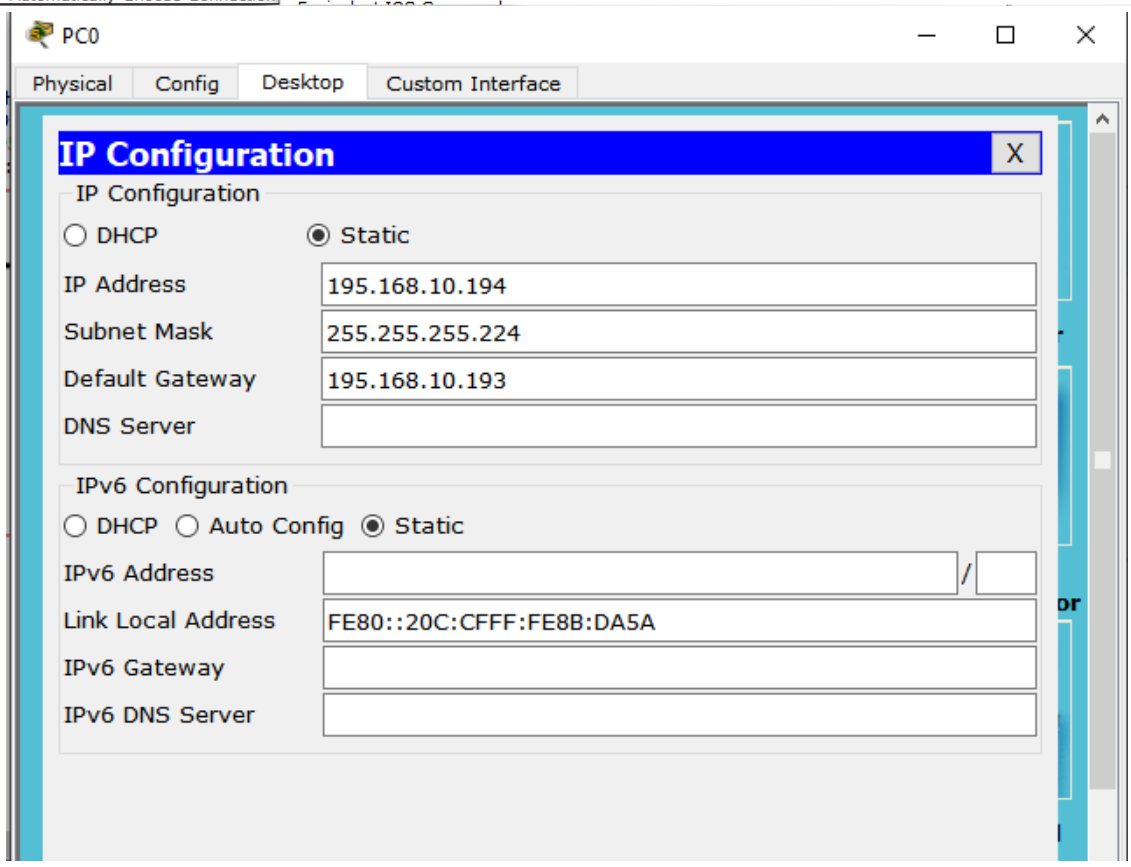


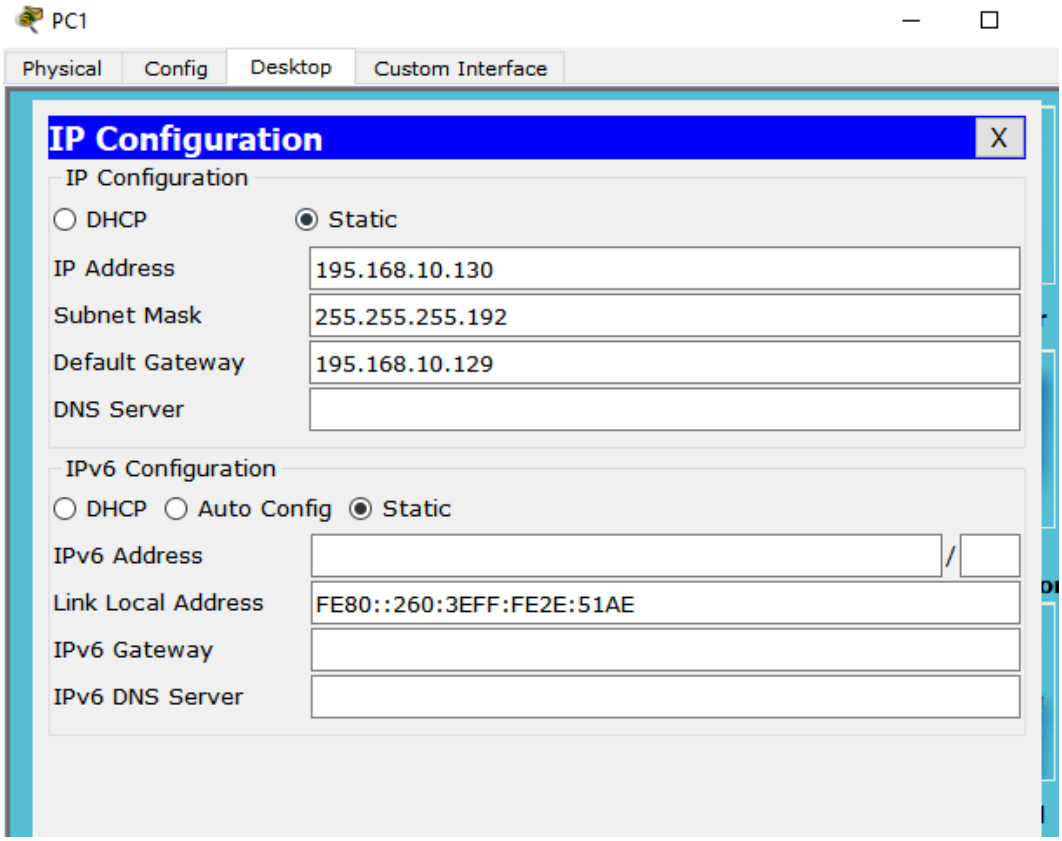
CONFIGURING REQUIRED NETWORKS

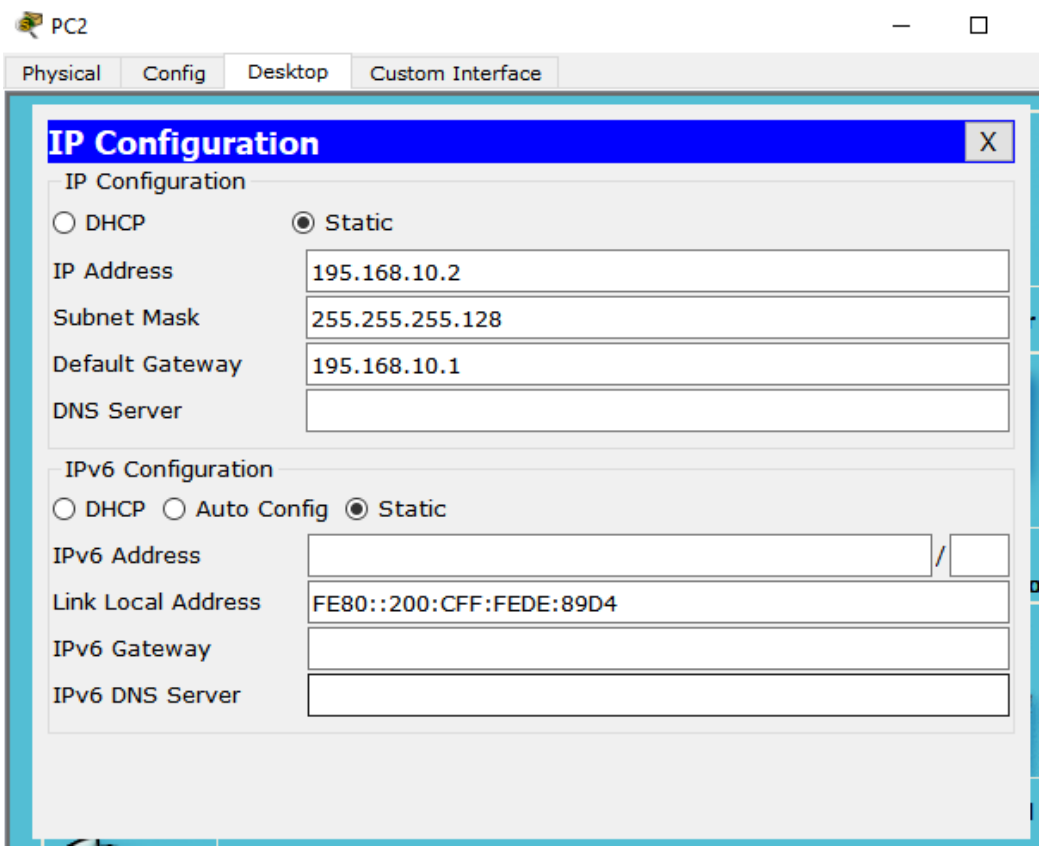




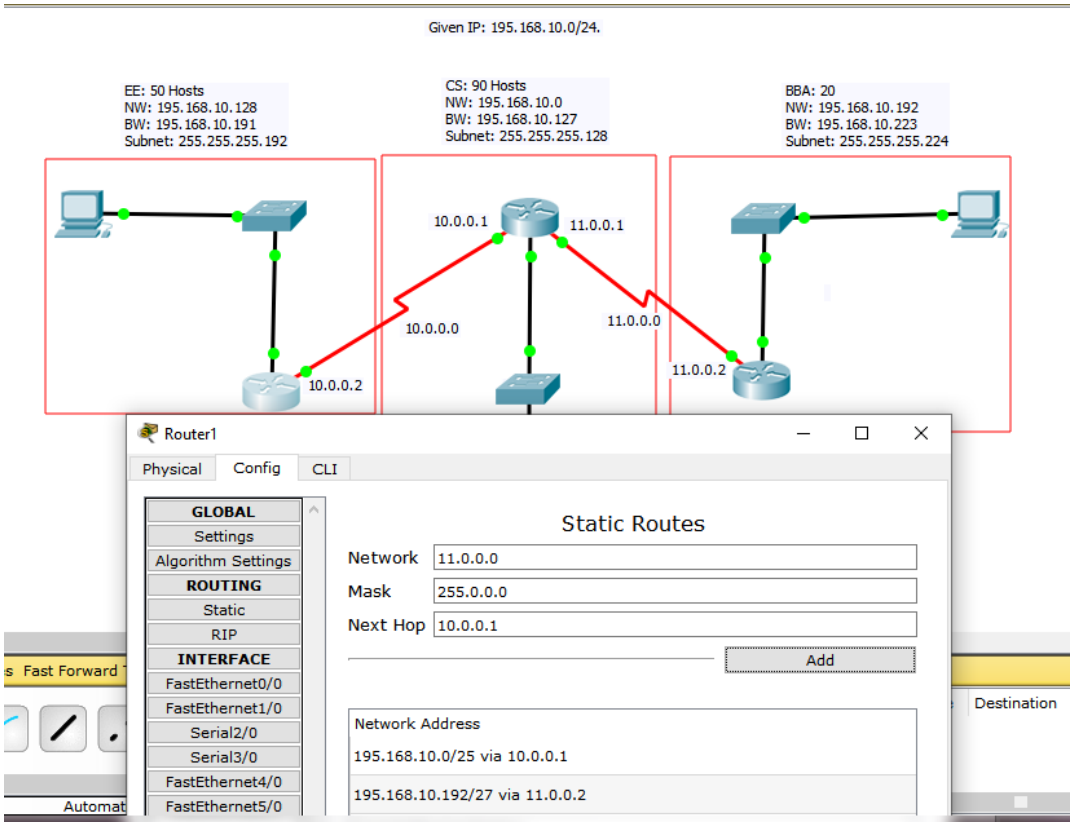

Given IP: 195.168.10.0/24.
EE: 50 Hosts
NW: 195.168.10.128
BW: 195.168.10.191
Subnet: 255.255.255.192
CS: 90 Hosts
NW: 195.168.10.0
BW: 195.168.10.127
Subnet: 255.255.255.128
BBA: 20
NW: 195.168.10.192
BW: 195.168.10.223
Subnet: 255.255.255.224
10.0.0.1
11.0.0.1
Router2
Physical
Config
CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
000A.F382.D1A8
IP Configuration
IP Address
195.168.10.193
Subnet Mask
255.255.255.224
Tx Ring Limit
10
Fast Forward Time
Automatically Choose Connection

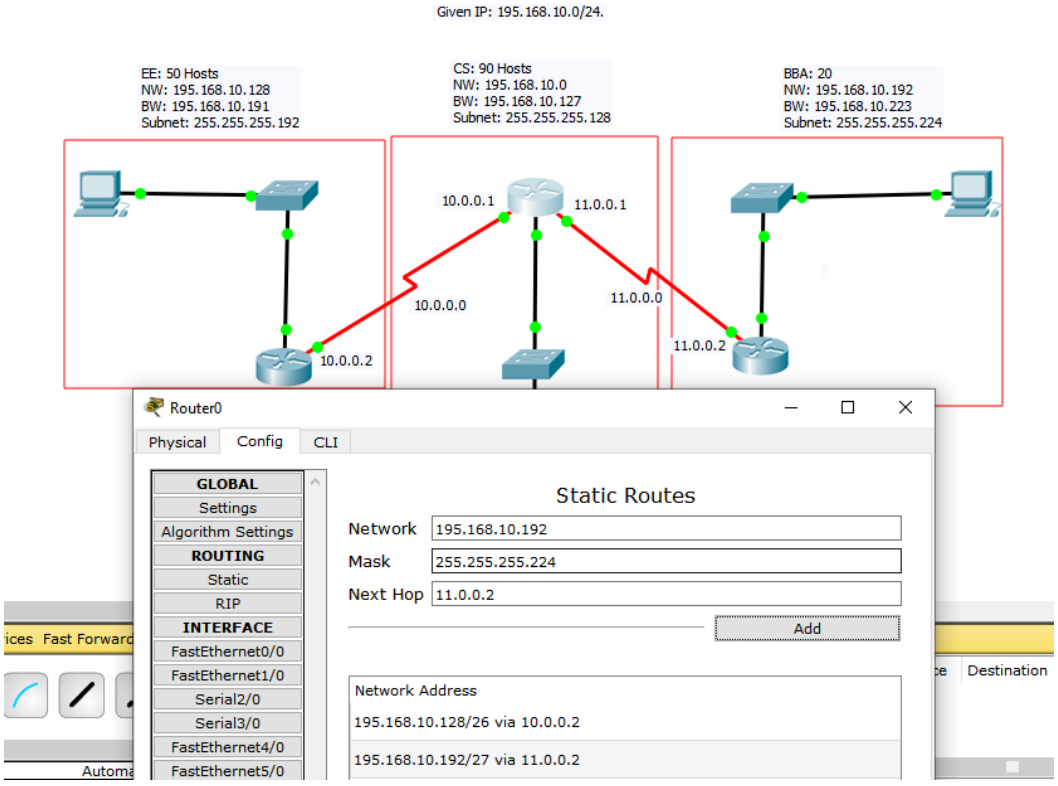

PC0
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
195.168.10.194
Subnet Mask
255.255.255.224
Default Gateway
195.168.10.193
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20C:CFFF:FE8B:DA5A
IPv6 Gateway
IPv6 DNS Server

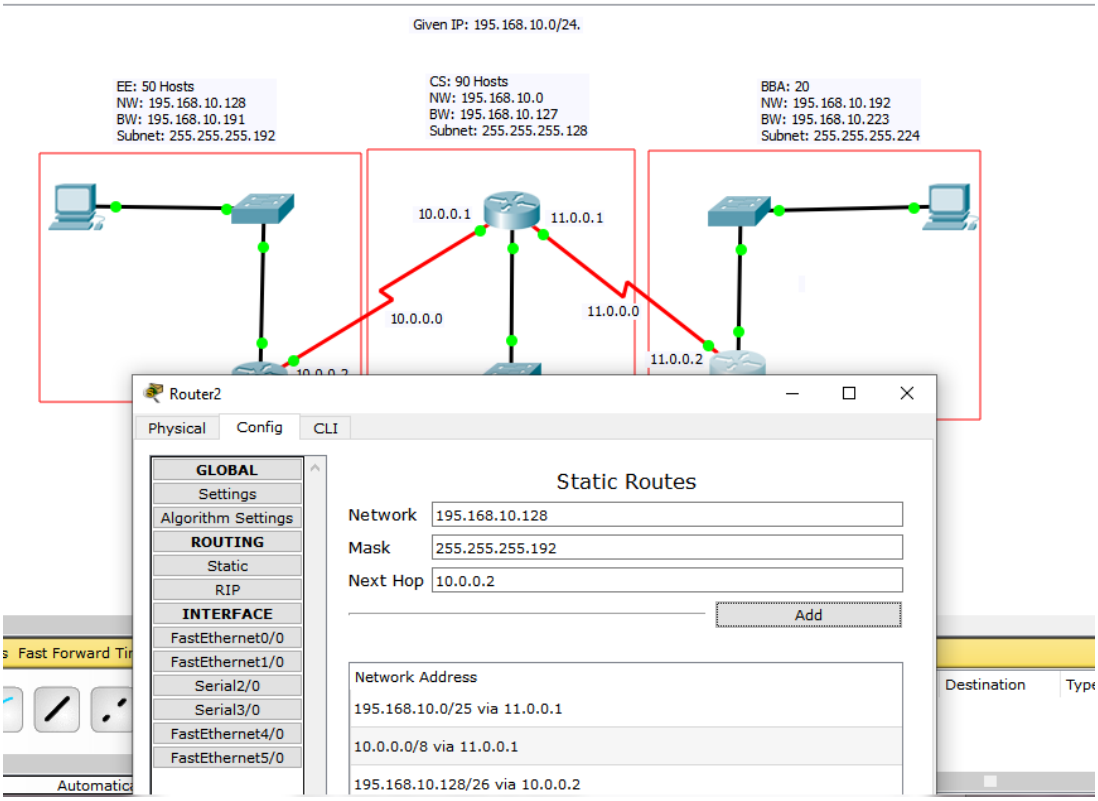
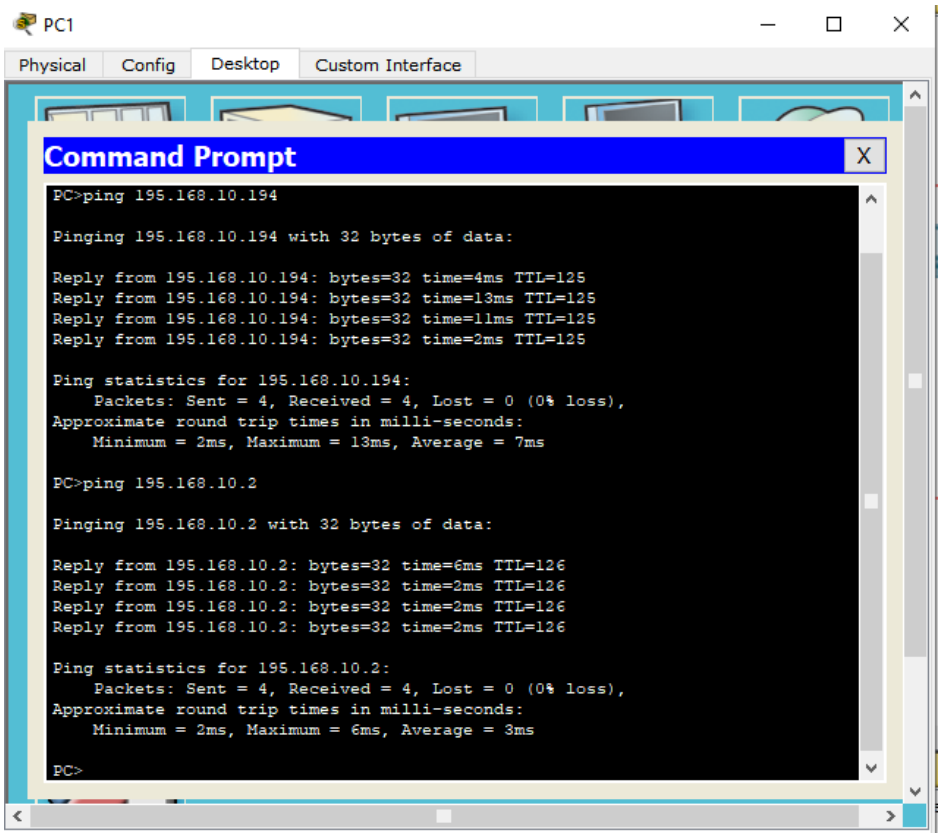

PC1
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
195.168.10.130
Subnet Mask
255.255.255.192
Default Gateway
195.168.10.129
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::260:3EFF:FE2E:51AE
IPv6 Gateway
IPv6 DNS Server


PC2
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
195.168.10.2
Subnet Mask
255.255.255.128
Default Gateway
195.168.10.1
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::200:CFF:FEDE:89D4
IPv6 Gateway
IPv6 DNS Server

STATIC ROUTING







CONNECTION SUCCESSFUL