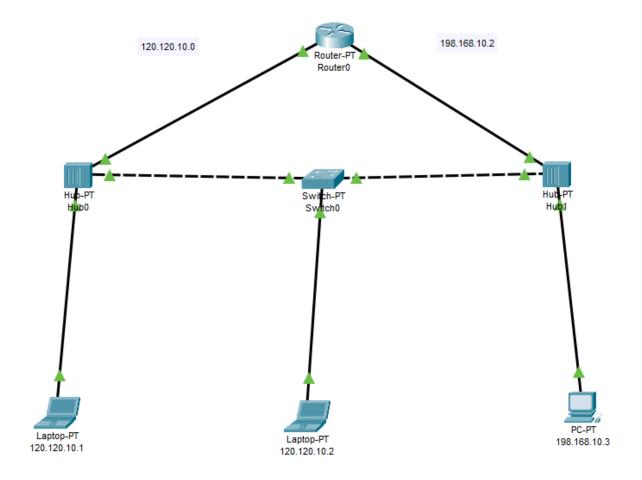
## **End Device With Router-2:**

## Final Result:



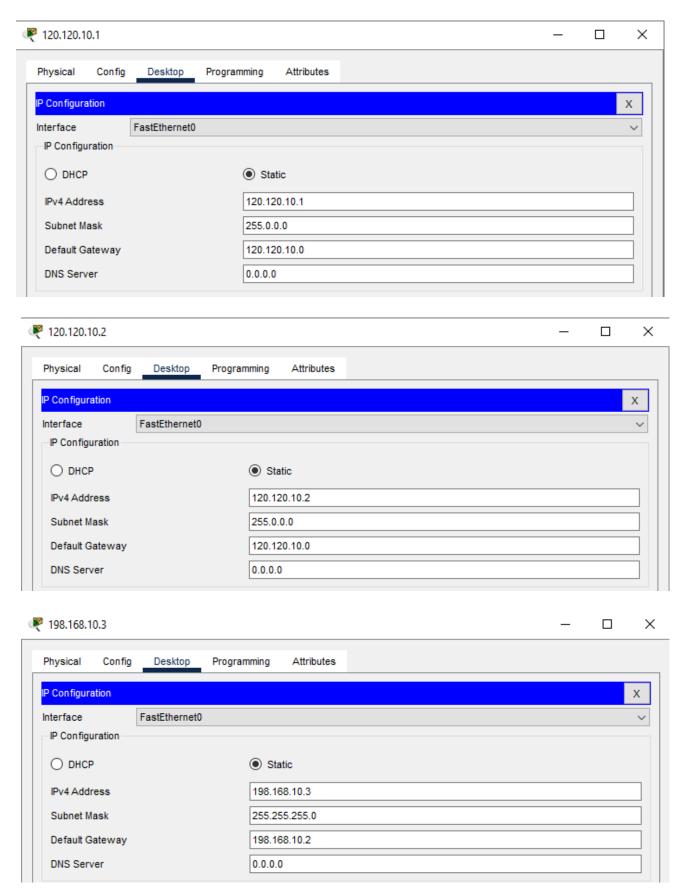
#### **Required Equipments:**

- 1. 1 x Router
- 2. 2 x Hub
- 3. 1 x Switch
- 4. 3 x End Devices

# **Router Setup:**

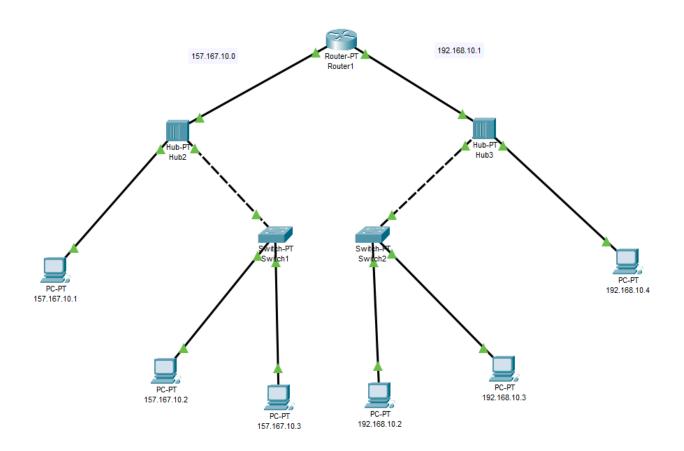
Router0		- D >
Physical Config CLI	Attributes	
GLOBAL	Fas	stEthernet0/0
Settings	130	SELITORIO (O
Algorithm Settings	Port Status	✓ On
ROUTING	Bandwidth	■ 100 Mbps ○ 10 Mbps ☑ Auto
Static	Duplex	● Half Duplex ● Full Duplex ✔ Auto
RIP	MAC Address	0060.7048.0383
INTERFACE	IP Configuration	
FastEthernet0/0	IPv4 Address	120.120.10.0
FastEthernet1/0	Subnet Mask	255.0.0.0
Serial2/0		
Serial3/0 FastEthernet4/0	Tx Ring Limit	10
FastEthernet5/0		
rusternethets/ 0		
~		
Equivalent IOS Commands		.1
		^
Router>enable Router#		
Router#configure te	erminal	
	n commands, one per line. End with erface FastEthernet0/0	CNTL/Z.
Router(config-if)#	FILACE FASCECHEINECU/U	~
7 -		
Тор		
		Succe 198 168 10 3
Router0		
		– – ×
•		
Physical Config CLI	Attributes	^
Physical Config CLI		tEthernet1/0
Physical Config CLI		
Physical Config CLI  GLOBAL  Settings		
Physical Config CLI  GLOBAL  Settings  Algorithm Settings	Fas	tEthernet1/0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING	Fas Port Status	tEthernet1/0 ☑ On
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static	Fas Port Status Bandwidth	tEthernet1/0  On  100 Mbps O 10 Mbps Auto
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP	Port Status Bandwidth Duplex MAC Address	tEthernet1/0  On  100 Mbps 10 Mbps Auto  Half Duplex Full Duplex Auto
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE	Port Status Bandwidth Duplex MAC Address  IP Configuration	tEthernet1/0  On  100 Mbps 10 Mbps Auto  Half Duplex Full Duplex Auto  00D0.58C1.019B
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address	tEthernet1/0  ② On ③ 100 Mbps ② 10 Mbps ② Auto ④ Half Duplex ② Full Duplex ② Auto  00D0.58C1.019B
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0	Port Status Bandwidth Duplex MAC Address  IP Configuration	tEthernet1/0  On  100 Mbps 10 Mbps Auto  Half Duplex Full Duplex Auto  00D0.58C1.019B
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address	tEthernet1/0  ② On ③ 100 Mbps ② 10 Mbps ② Auto ④ Half Duplex ② Full Duplex ② Auto  00D0.58C1.019B
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0    On   100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     00D0.58C1.019B      198.168.10.2     255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0 FastEthernet5/0 FastEthernet5/0 FastEthernet6/0 FastEthernet8/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit	#Ethernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0  Equivalent IOS Commands  Router>enable Router# Router# Router#configure te	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit	tEthernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet5/0  FastEthernet5/0  Equivalent IOS Commands  Router\$ Router\$ Router\$ Router\$ Router\$ Configure te Enter configuration	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit	tEthernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
Physical Config CLI  GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet0/0 FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet4/0 FastEthernet5/0  Equivalent IOS Commands  Router>enable Router# Router# Routerfconfigure te Enter configuration Router(config)#inte Router(config-if)#	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit  crminal commands, one per line. End with	tEthernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit  Tx Ring Limit  a commands, one per line. End with exface FastEthernet0/0	tEthernet1/0  100 Mbps 10 Mbps Auto Half Duplex Full Duplex Auto 00D0.58C1.019B  198.168.10.2 255.255.255.0
GLOBAL Settings Algorithm Settings ROUTING Static RIP INTERFACE FastEthernet1/0 Serial2/0 Serial3/0 FastEthernet5/0	Port Status Bandwidth Duplex MAC Address  IP Configuration IPv4 Address Subnet Mask  Tx Ring Limit  crminal commands, one per line. End with	tEthernet1/0    100 Mbps   10 Mbps   Auto     Half Duplex   Full Duplex   Auto     198.168.10.2     255.255.255.0

#### **End Devices Setup:**



## **End Device With Router-1:**

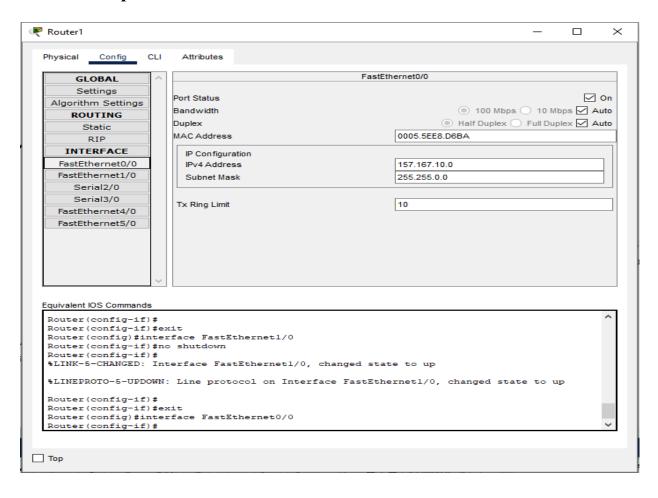
## **Final Result:**



# **Required Equipments:**

- 1. 1 x Router
- 2. 2 x Hub
- 3. 2 x Switch
- 4. 6 x End Devices

#### **Router Setup:**



GLOBAL	^	FastEthernet1/0
Settings		
Algorithm Settings	Port Status	☑ 0
ROUTING	Bandwidth	■ 100 Mbps ○ 10 Mbps ☑ Aut
Static	Duplex	Half Duplex  Full Duplex  Aut
RIP	MAC Address	0001.643C.EC85
INTERFACE	IP Configuration	
FastEthernet0/0	IPv4 Address	192.168.10.1
FastEthernet1/0	Subnet Mask	255,255,255.0
Serial2/0	Cubilet index	255.255.255.5
Serial3/0		Tea .
FastEthernet4/0	Tx Ring Limit	10
FastEthernet5/0		
	~	
quivalent  OS Commands ROUTET (CONTING FIR ROUTET (CONTIG II) ROUTET (CONTIG II) B LINK-5-CHANGED:	#no shutdown	, changed state to up
Router(config-if) Router(config-if) Router(config-if) %LINK-5-CHANGED:	#no shutdown # Interface FastEthernet1/0	, changed state to up erface FastEthernet1/0, changed state to up
Router (config-if) Router (config-if) \$LINK-5-CHANGED: \$LINEPROTO-5-UPDC Router (config-if) Router (config-if)	# # ##################################	
Router (config-if) Router (config-if) Router (config-if) LINK-5-CHANGED: LINEPROTO-5-UPDC Router (config-if) Router (config-if) Router (config-if) Router (config-if) Router (config-if) Router (config-if)	#no shutdown  # Interface FastEthernet1/0  WN: Line protocol on Inte  #  #exit tterface FastEthernet0/0  #	

#### **End Devices Setup:**

