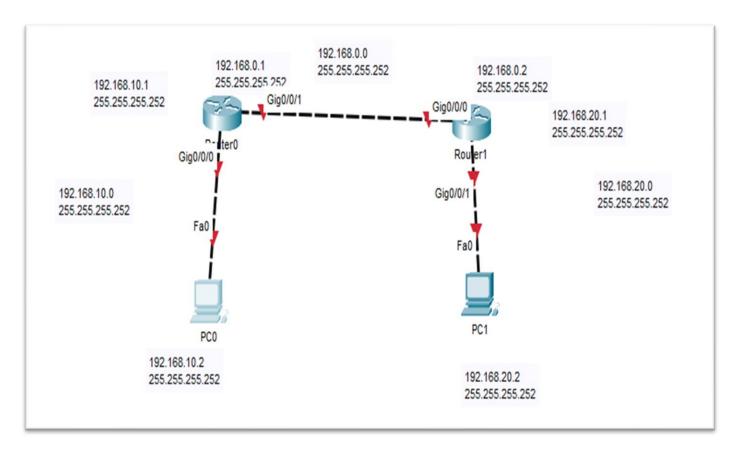
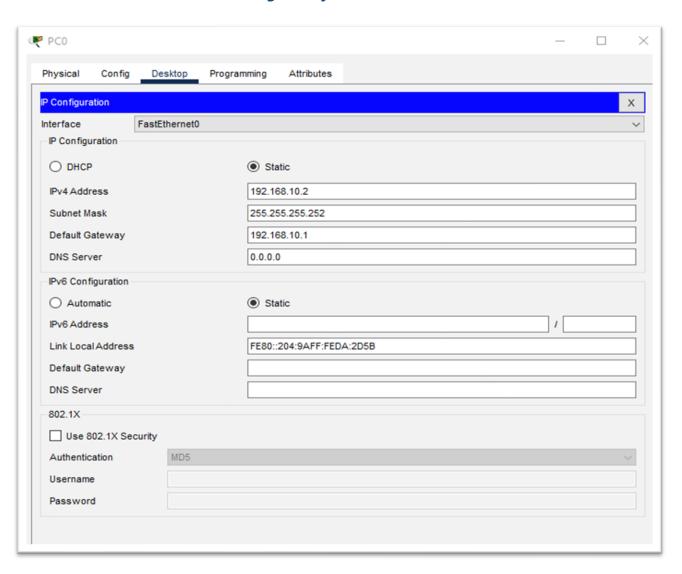
RIP Configuration Step by Step Guide

- ✓ Routing information protocol
- ✓ An example of distance vector routing
- ✓ Based on hop count

Step 1: Add place note in all devices for IP address and subnet mask.



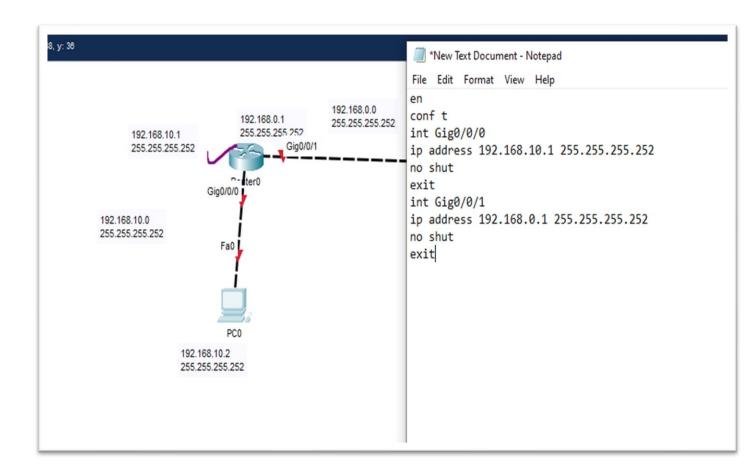
Step2: Configure each end devices (PC, laptop, mobile etc) by adding IP address, subnet mask and default gateway IP.

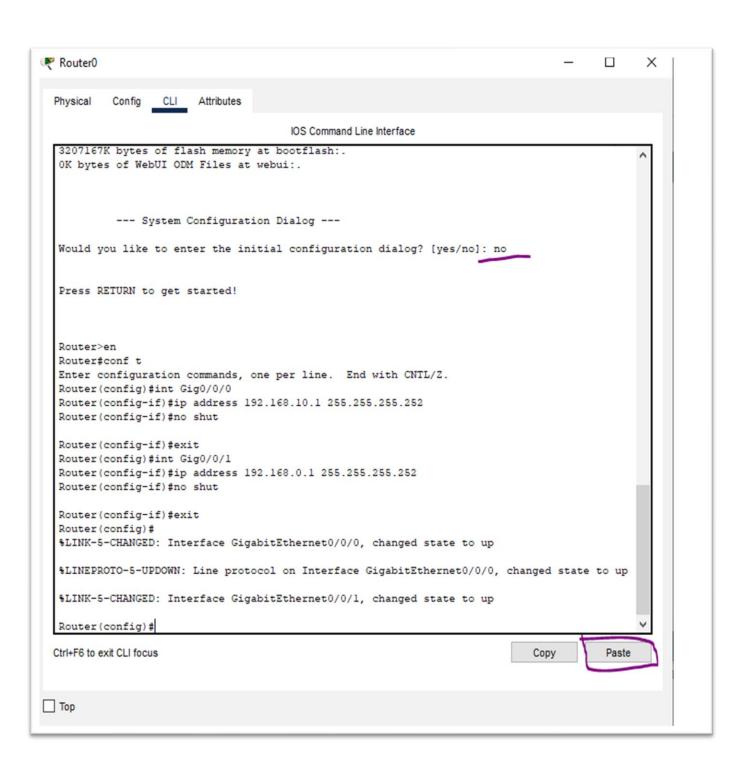


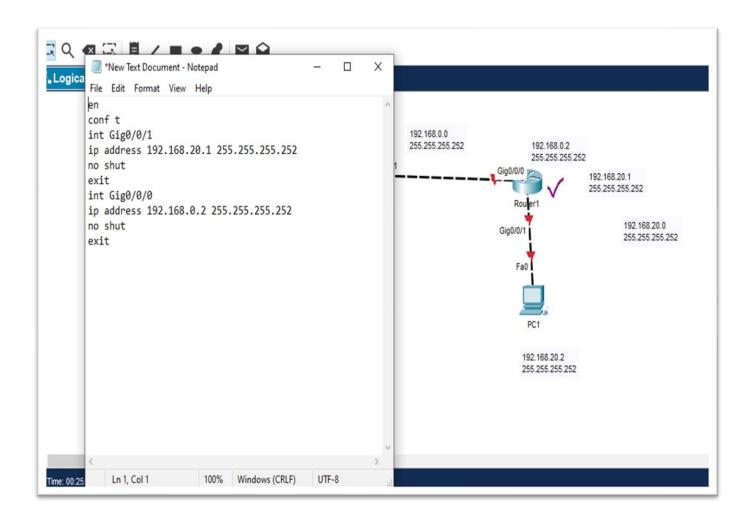
Step3: Configure each router by writing command in CLI.

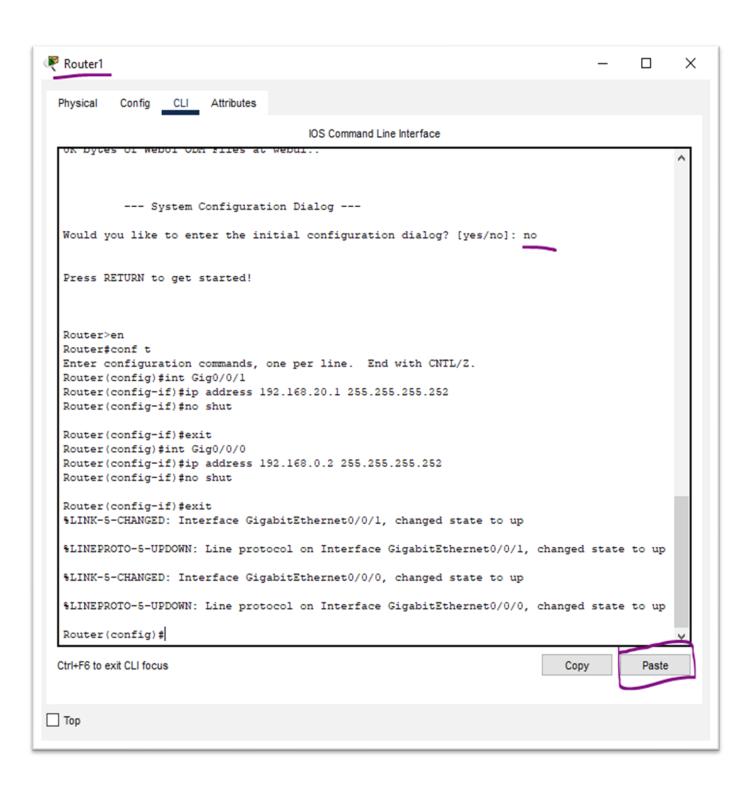
The commands are as follows. Write the same command if more than one port is used in the router.

```
Router>en
Router# conf t
Router(config)# int port_number
Router(config-if)# ip address gateway_ip subnet_mask
Router(config-if)#no shutdown
Router(config-if)#exit
```





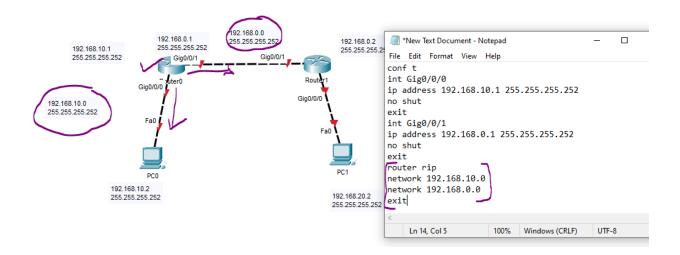


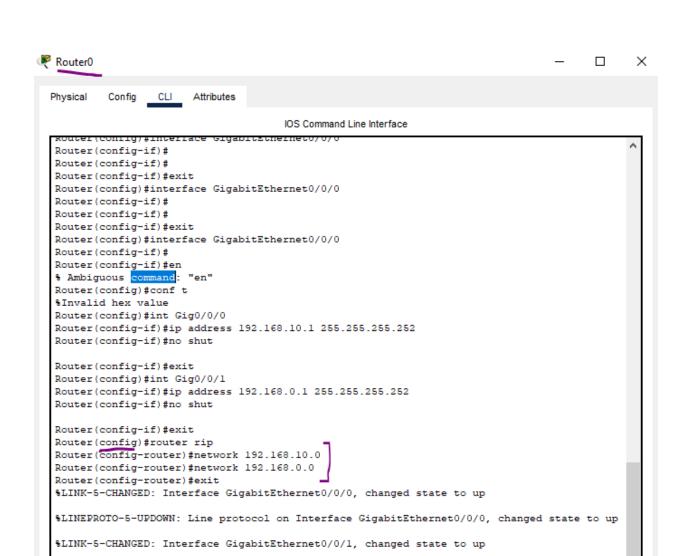


Step4: Configure RIP for each router by writing command in CLI.

The commands are as follows:

```
Router0(config) #router rip
Router0(config-router) # network connected_network_IP
Router0(config-router) # network connected_network_IP
Router(config-if) #exit
```



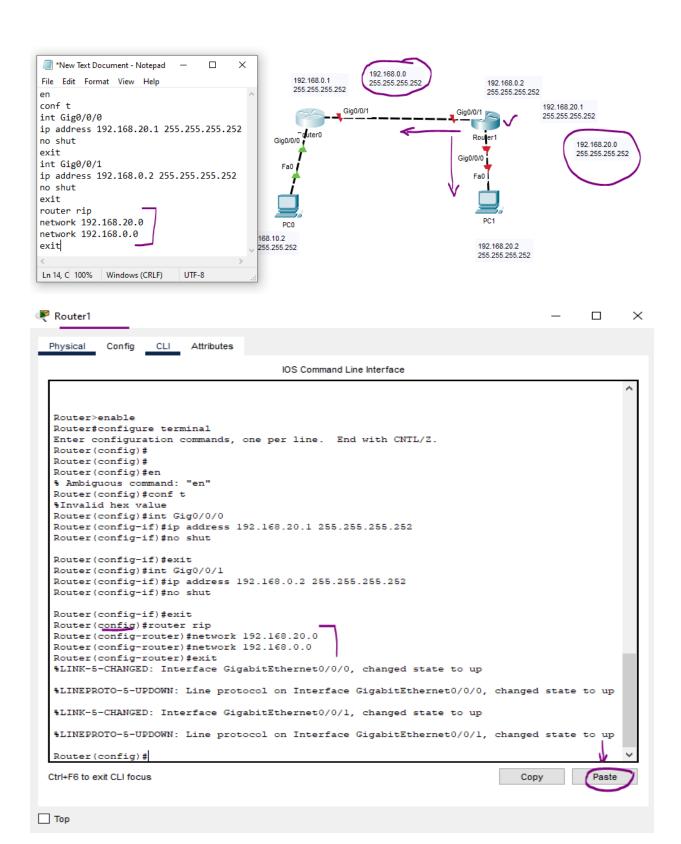


Сору

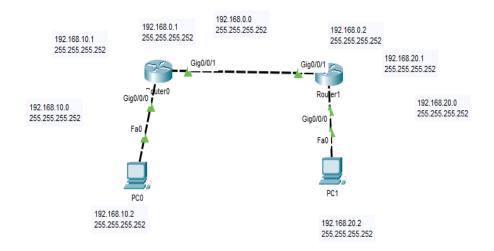
Paste

Router (config) #
Ctrl+F6 to exit CLI focus

□ Тор



Step5: Pass the packet from one subnet to another subnet and check the status.





Command description:

Command	Description
Router>en	Enable global configuration mode
Router# conf t	Enter in global configuration mode
Router(config)#int Gig0/0/0	Enter interface mode from global configuration mode
Router(config-if)#ip address 192.168.10.1 255.255.255.252	Assign IP to the interface (eg. Gig0/0/0)
Router(config-if)#no shutdown	Bring the interface up
Router(config-if)#exit	Return in global configuration mode
Router(config)#router rip	Enable RIP routing protocol
Router(config-router)# network 192.168.10.0	Used to specify the networks which are directly connected with the router.

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