**Code for router 0 : cli tab**

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

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

ip address 192.168.1.1 255.255.255.0

Router(config-if)#ip address 192.168.1.1 255.255.255.0

Router(config-if)#

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/1

Router(config-if)#ip address 1.0.0.2 255.0.0.0

Router(config-if)#ip address 1.0.0.2 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#

//%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

//%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router(config-if)#

Router(config-if)#exit

Router(config)#

Router(config)#ip route 0.0.0.0 0.0.0.0 1.0.0.1

Router(config)#

Router(config)#exit

Router#

//%SYS-5-CONFIG\_I: Configured from console by console

//command for pinging

Router#ping 2.0.0.2

(Output)

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 2.0.0.2, timeout is 2 seconds:

..!!!

Success rate is 60 percent (3/5), round-trip min/avg/max = 0/0/0 ms

Router#ping 2.0.0.2

(Output)

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 2.0.0.2, timeout is 2 seconds:

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 0/0/0 ms

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface tunnel 1

Router(config-if)#

//%LINK-5-CHANGED: Interface Tunnel1, changed state to up

Router(config-if)#ip address 172.16.1.1 255.255.0.0

Router(config-if)#tunnel source FastEthernet0/1

Router(config-if)#tunnel destination 2.0.0.2

Router(config-if)#

//%LINEPROTO-5-UPDOWN: Line protocol on Interface Tunnel1, changed state to up

no shut

**Code for router 2 : cli tab**

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 192.168.2.1 255.255.255.0

Router(config-if)#ip address 192.168.2.1 255.255.255.0

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

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/1

Router(config-if)#ip address 2.0.0.2 255.0.0.0

Router(config-if)#ip address 2.0.0.2 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#

//%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

//%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router(config-if)#

Router(config-if)#exit

Router(config)#

Router(config)#ip route 0.0.0.0 0.0.0.0 2.0.0.1

Router(config)#

Router(config)#interface tunnel 2

Router(config-if)#

//%LINK-5-CHANGED: Interface Tunnel2, changed state to up

ip address 172.16.1.2 255.255.0.0

Router(config-if)#tunnel source FastEthernet0/1

Router(config-if)#tunnel destination 1.0.0.2

Router(config-if)#

//%LINEPROTO-5-UPDOWN: Line protocol on Interface Tunnel2, changed state to up

no shut

Router(config-if)#exit

**For pinging and final output : Command prompt of pc’s**

Ping(IP address)

Tracert(IP address)

Ping(IP address)

Tracert(IP address)