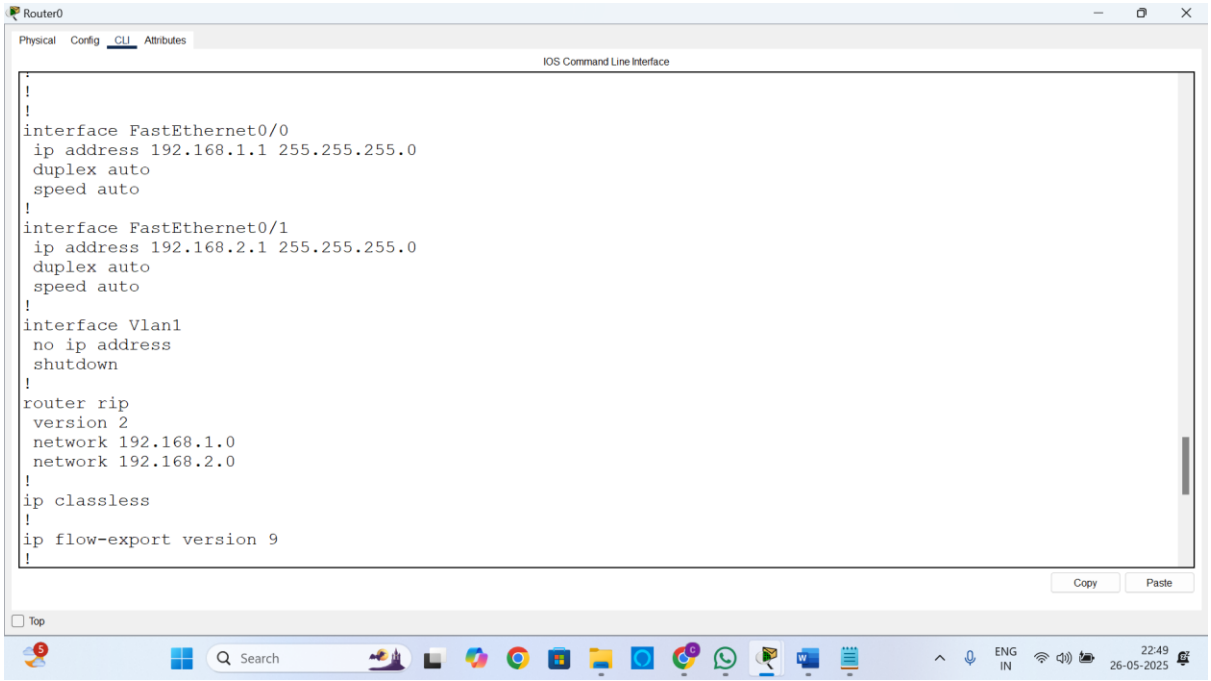
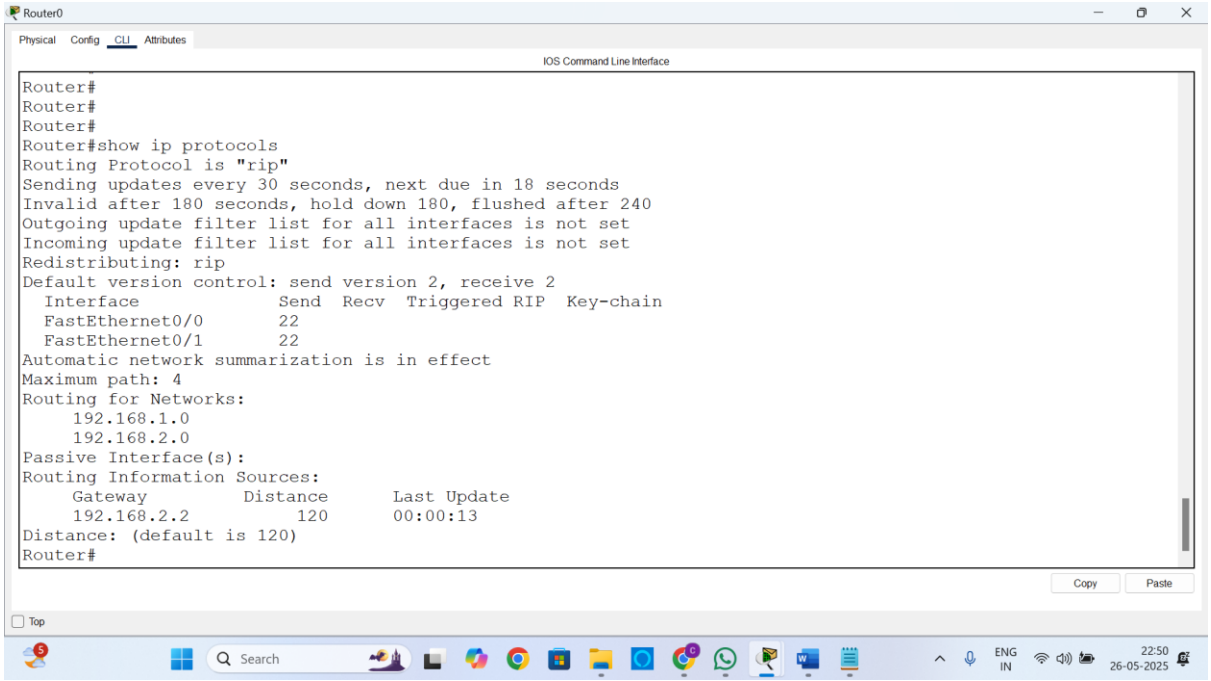
Lab 3: RIPv2 routing:

Show run for router 0:



Show ip protocol:



Show ip rip database:

```
Router#show ip rip database
192.168.1.0/24    auto-summary
192.168.1.0/24    directly connected, FastEthernet0/0
192.168.2.0/24    auto-summary
192.168.2.0/24    directly connected, FastEthernet0/1
192.168.3.0/24    auto-summary
192.168.3.0/24
    [1] via 192.168.2.2, 00:00:06, FastEthernet0/1
192.168.4.0/24    auto-summary
192.168.4.0/24
    [2] via 192.168.2.2, 00:00:06, FastEthernet0/1
Router#
```

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Ping output:

```
C:\>ping 192.168.4.3

Pinging 192.168.4.3 with 32 bytes of data:

Reply from 192.168.4.3: bytes=32 time<1ms TTL=125
Reply from 192.168.4.3: bytes=32 time<1ms TTL=125
Reply from 192.168.4.3: bytes=32 time<1ms TTL=125
Reply from 192.168.4.3: bytes=32 time=1ms TTL=125

Ping statistics for 192.168.4.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

Show run for router 1:

IOS Command Line Interface

```
spanning-tree mode pvst
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 192.168.2.2 255.255.255.0
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 192.168.3.1 255.255.255.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
router rip
 version 2
 network 192.168.2.0
 network 192.168.3.0
!
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
```

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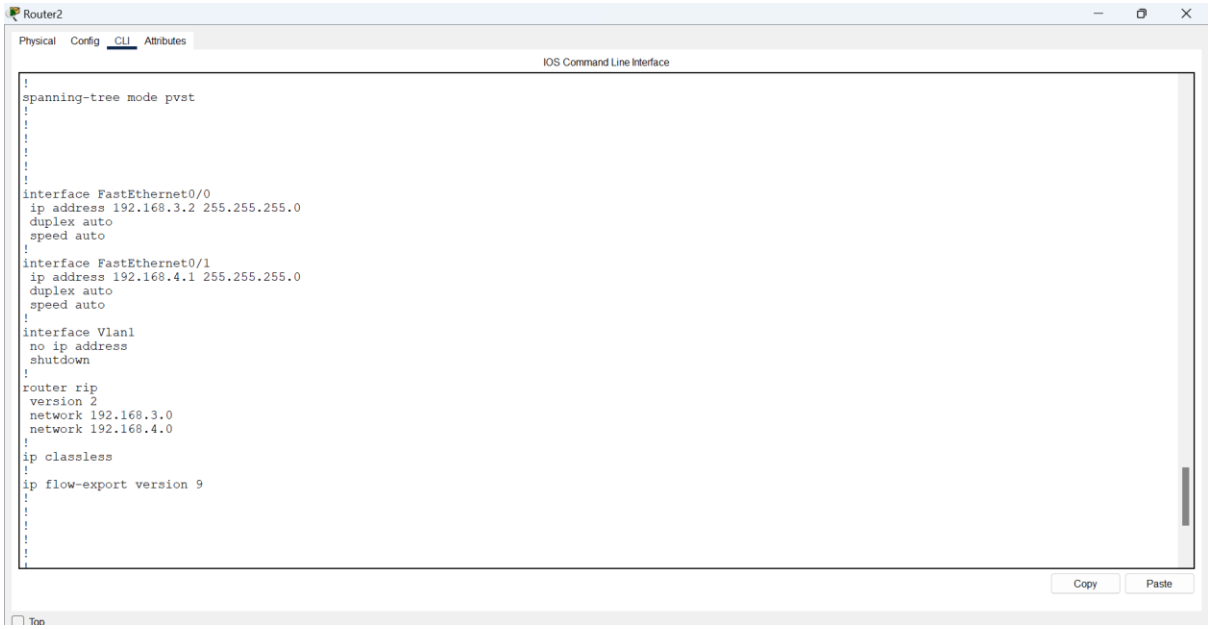
Show run for router 2:



RIPv2 timers:

```
% Unrecognized command
Router(config-router)#timers basic 10 ?
  <1-4294967295>  Invalid
Router(config-router)#timers basic 10 60 ?
  <0-4294967295>  Holddown
Router(config-router)#timers basic 10 60 60 ?
  <1-4294967295>  Flush
Router(config-router)#timers basic 10 60 60 80
Router(config-router)#
```

Timers output:

IOS Command Line Interface

```
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 192.168.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 192.168.2.1 255.255.255.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
router rip
 version 2
 timers basic 10 60 60 80
 network 192.168.1.0
 network 192.168.2.0
!
ip classless
!
ip flow-export version 9
!
!
!
!
```