Lab1: Static routing:

Ping command output:

```
Physical   Config   Desktop   Programming   Attributes
Command Prompt

C:\>ping 192.168.4.2

Pinging 192.168.4.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Reply from 192.168.4.2: bytes=32 time<1ms TTL=125

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.4.2

Pinging 192.168.4.2 with 32 bytes of data:

Reply from 192.168.4.2: bytes=32 time<1ms TTL=125
Reply from 192.168.4.2: bytes=32 time=12ms TTL=125
Reply from 192.168.4.2: bytes=32 time<1ms TTL=125
Reply from 192.168.4.2: bytes=32 time<1ms TTL=125

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 12ms, Average = 3ms
```
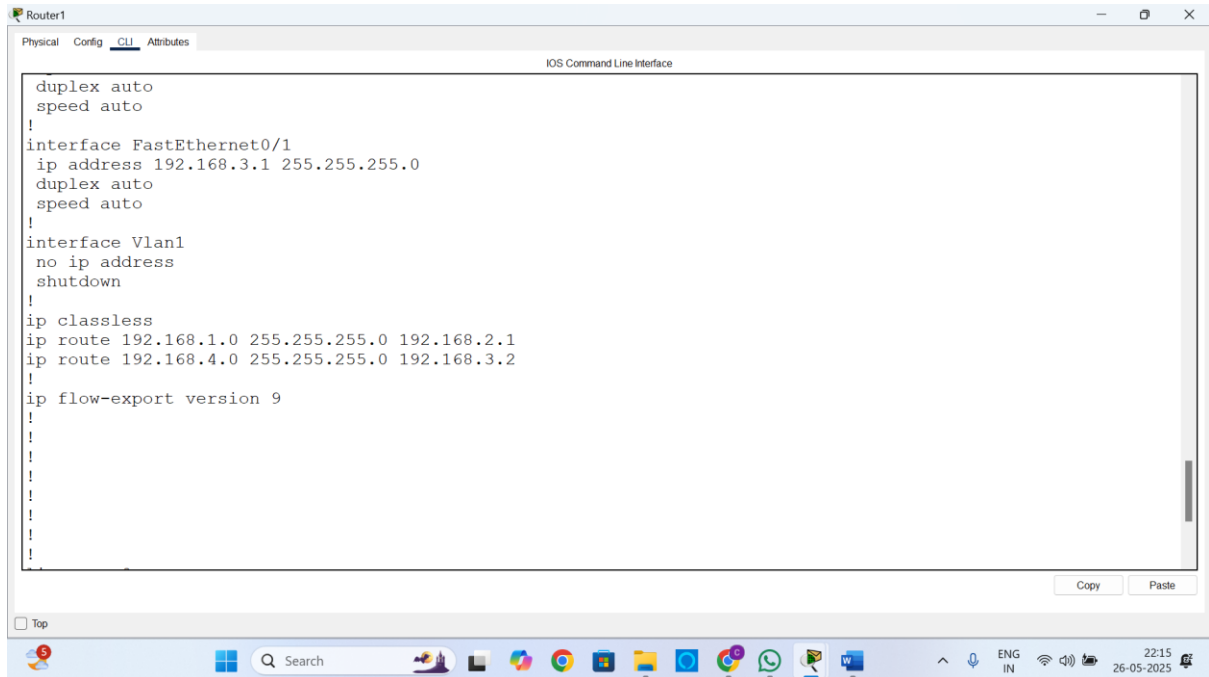
Router 0

```
!
!
!
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
!
ip classless
ip route 192.168.3.0 255.255.255.0 192.168.2.2
ip route 192.168.4.0 255.255.255.0 192.168.2.2
!
ip flow-export version 9
!
!
!
```
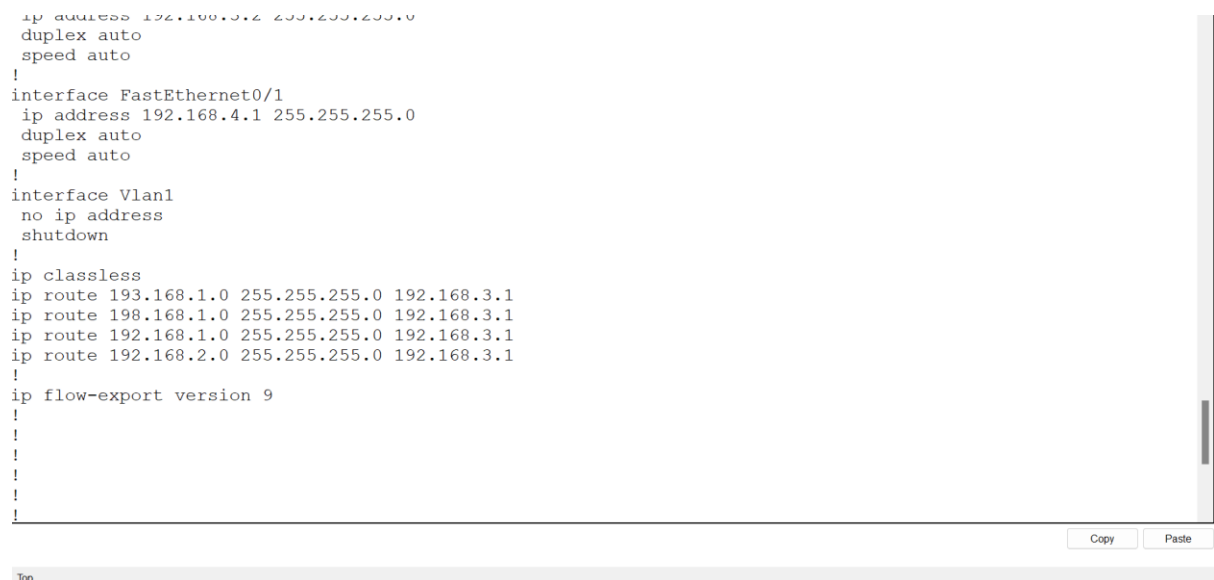
Router 1

Physical   Config   <u>CLI</u>   Attributes

IOS Command Line Interface

```
  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
!
ip classless
ip route 192.168.1.0 255.255.255.0 192.168.2.1
ip route 192.168.4.0 255.255.255.0 192.168.3.2
!
ip flow-export version 9
!
!
!
!
!
!
!
!
```

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Router 2

```
ip address 192.168.3.2 255.255.255.0
  duplex auto
  speed auto
!
interface FastEthernet0/1
  ip address 192.168.4.1 255.255.255.0
  duplex auto
  speed auto
!
interface Vlan1
  no ip address
  shutdown
!
ip classless
ip route 193.168.1.0 255.255.255.0 192.168.3.1
ip route 198.168.1.0 255.255.255.0 192.168.3.1
ip route 192.168.1.0 255.255.255.0 192.168.3.1
ip route 192.168.2.0 255.255.255.0 192.168.3.1
!
ip flow-export version 9
!
!
!
!
!
!
```

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