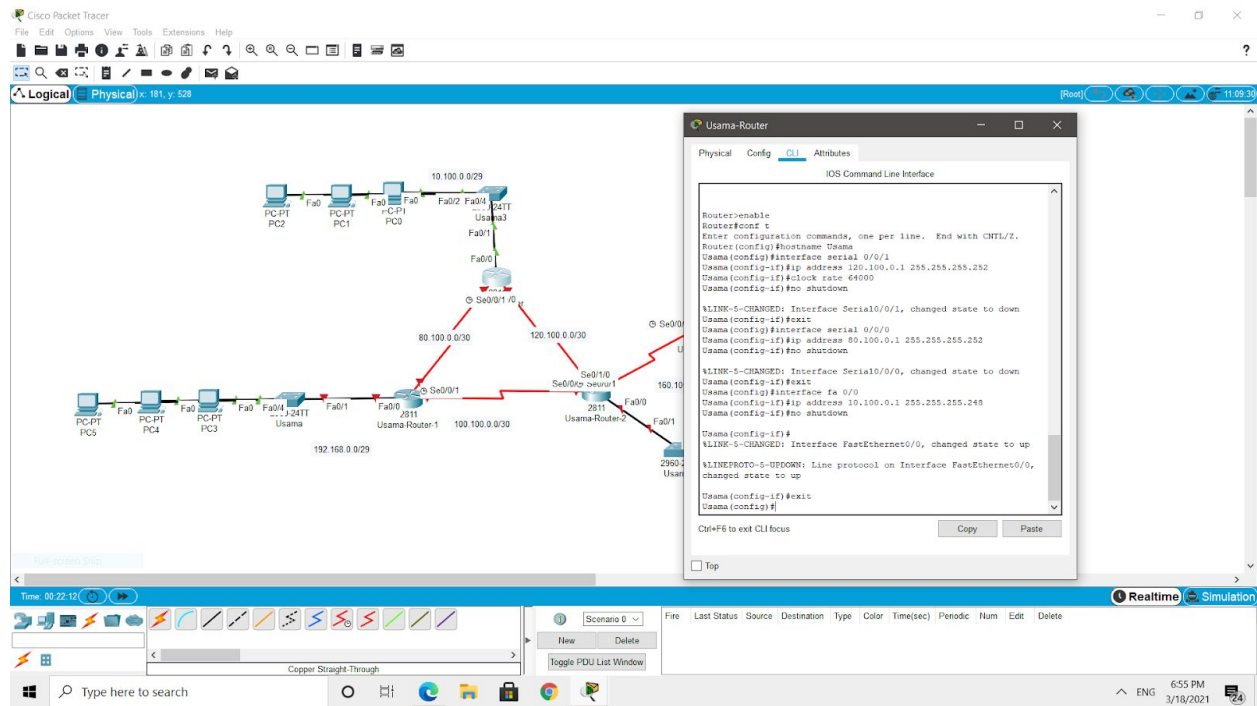
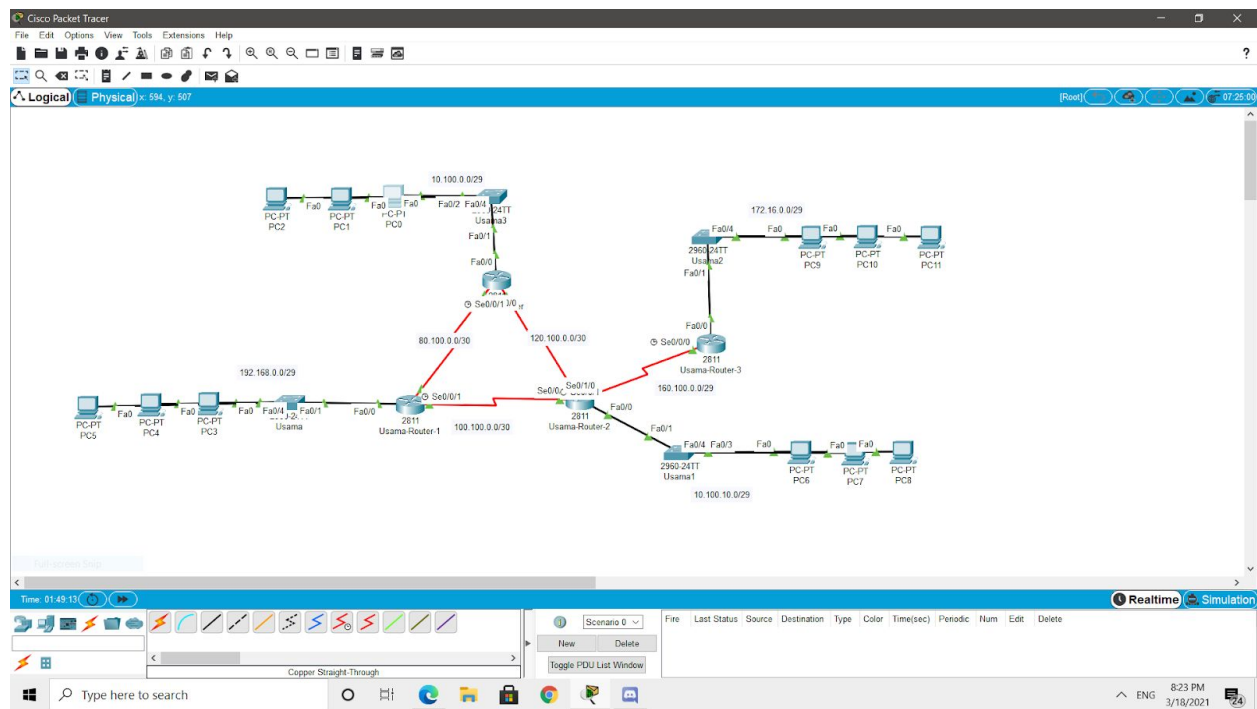


## **LAB TASK NO.09**

***Usama Rehman***  
**9894**

***Screenshots :-***



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1045, y: 575

Usama-Router-1

Physical Config CLI Attributes

IOS Command Line Interface

```

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Usama
Usama(config)#interface serial 0/0/0
Usama(config-if)#ip address 80.100.0.2 255.255.255.252
Usama(config-if)#clock rate 64000
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config)#interface s
Usama(config-if)#exit
Usama(config)#interface serial 0/0/1
Usama(config-if)#ip address 100.100.0.1 255.255.255.252
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config)#interface fa 0/0
Usama(config-if)#ip address 192.168.0.1 255.255.255.248
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config-if)#exit
Ctrl+F6 to exit CLI focus
  
```

Time: 00:24:37

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

Type here to search

ENG 6:57 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 382, y: 446

Usama-Router-2

Physical Config CLI Attributes

IOS Command Line Interface

```

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Usama
Usama(config)#interface serial 0/0/0
Usama(config-if)#ip address 100.100.0.2 255.255.255.252
Usama(config-if)#clock rate 64000
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config)#interface s
Usama(config-if)#exit
Usama(config)#interface serial 0/0/1
Usama(config-if)#ip address 120.100.0.2 255.255.255.252
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config)#interface serial 0/0/0
Usama(config-if)#ip address 160.100.0.1 255.255.255.252
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config)#interface serial 0/1/0
Usama(config-if)#ip address 10.100.10.1 255.255.255.248
Usama(config-if)#no shutdown
Usama(config-if)#
Usama(config-if)#exit
Usama(config-if)#exit
Ctrl+F6 to exit CLI focus
  
```

Time: 00:28:53

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

Type here to search

ENG 7:02 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 164, y: 649

Usama-Router-3

Physical Config CLI Attributes

IOS Command Line Interface

```

Press RETURN to get started!

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 160.100.0.2 255.255.255.252
Router(config-if)#clock rate 64000
Router(config-if)#no shutdown
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#interface serial 0/0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.248
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#interface fastethernet 0/0/0
Router(config-if)#ip address 192.168.0.1 255.255.255.248
Router(config-if)#
Router(config-if)#exit
Router(config)#

```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:32:56

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

ENG 7:06 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 548, y: 550

Usama-Router

Physical Config CLI Attributes

IOS Command Line Interface

```

Press RETURN to get started.

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#router eigrp 654
Usama(config-router)#network 10.0.0.0
Usama(config-router)#network 80.0.0.0
Usama(config-router)#network 120.0.0.0
Usama(config-router)#no auto-summary
Usama(config-router)#end
Usama#
%SYS-5-CONFIG_I: Configured from console by console

```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:39:21

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

ENG 7:12 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 717, y: 419

Usama-Router-1

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama>enable
Usama#conf t
% Invalid input detected at '^' marker.

Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#router eigrp 9894
Usama(config-router)#network 80.0.0.0
Usama(config-router)#
NDUAL-S-NSRCHANGE: IP-EIGRP 9894: Neighbor 80.100.0.1
(Serial0/0/0) is up: new adjacency
Usama(config-router)#network 100.0.0.0
Usama(config-router)#network 192.168.0.0
Usama(config-router)#no auto-summary
Usama(config-router)#
NDUAL-S-NSRCHANGE: IP-EIGRP 9894: Neighbor 80.100.0.1
(Serial0/0/0) is up: summary configured
Usama(config-router)#end
Usama#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:40:30

Simulation

Scenario 0

New Delete

Toggle PDU List Window

Type here to search

ENG 7:13 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 265, y: 586

Usama-Router-2

Physical Config CLI Attributes

IOS Command Line Interface

```

Usama>enable
Usama#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Usama(config)#router eigrp 9894
Usama(config-router)#network 100.0.0.0
Usama(config-router)#
NDUAL-S-NSRCHANGE: IP-EIGRP 9894: Neighbor 100.100.0.1
(Serial0/0/1) is up: new adjacency
Usama(config-router)#network 120.0.0.0
Usama(config-router)#network 10.0.0.0
Usama(config-router)#no auto-summary
Usama(config-router)#
NDUAL-S-NSRCHANGE: IP-EIGRP 9894: Neighbor 120.100.0.1
(Serial0/0/0) is up: new adjacency
Usama(config-router)#network 160.100.0.0
Usama(config-router)#network 10.0.0.0
Usama(config-router)#no auto-summary
Usama(config-router)#
NDUAL-S-NSRCHANGE: IP-EIGRP 9894: Neighbor 100.100.0.1
(Serial0/0/1) is up: summary configured
Usama(config-router)#end
Usama#
%SYS-5-CONFIG_I: Configured from console by console
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 00:43:36

Simulation

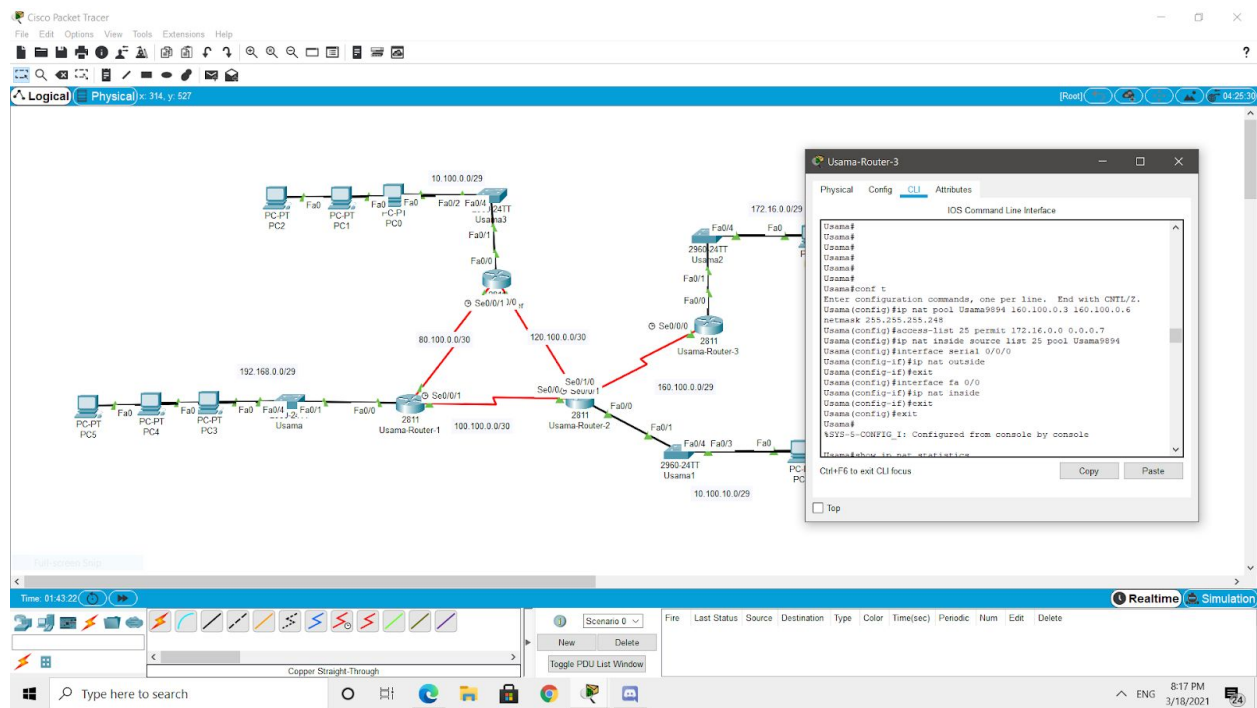
Scenario 0

New Delete

Toggle PDU List Window

Type here to search

ENG 7:17 PM 3/18/2021





Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 505, y: 537

Usama-Router-3

Physical Config CLI Attributes

IOS Command Line Interface

```

ip nat pool Usama9994 160.100.0.3 160.100.0.6 netmask
255.255.255.248
ip nat inside source list 25 pool Usama9994
ip classless
ip flow-export version 9
!
access-list 25 permit 172.16.0.0 0.0.0.7
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
Ctrl+H6 to exit CLI focus

```

Copy Paste

Time: 01:45:34

Simulation

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

Type here to search

ENG 8:20 PM 3/18/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 879, y: 328

PC6

Physical Config Desktop Programming Attributes

Command Prompt

```

Packet Tracer PC Command Line 1.0
C:\>ping 172.16.0.2
Pinging 172.16.0.2 with 32 bytes of data:
Reply from 160.100.0.3: bytes=32 time=2ms TTL=126
Reply from 160.100.0.3: bytes=32 time=2ms TTL=126
Reply from 160.100.0.3: bytes=32 time=1ms TTL=126
Reply from 160.100.0.3: bytes=32 time=1ms TTL=126
Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 17ms, Average = 9ms
C:\>ping 172.16.0.3
Pinging 172.16.0.3 with 32 bytes of data:
Request timed out.
Reply from 160.100.0.4: bytes=32 time=2ms TTL=126
Reply from 160.100.0.4: bytes=32 time=2ms TTL=126
Reply from 160.100.0.4: bytes=32 time=1ms TTL=126
Ping statistics for 172.16.0.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 8ms, Average = 3ms
C:\>

```

Time: 01:47:23

Simulation

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

Type here to search

ENG 8:22 PM 3/18/2021