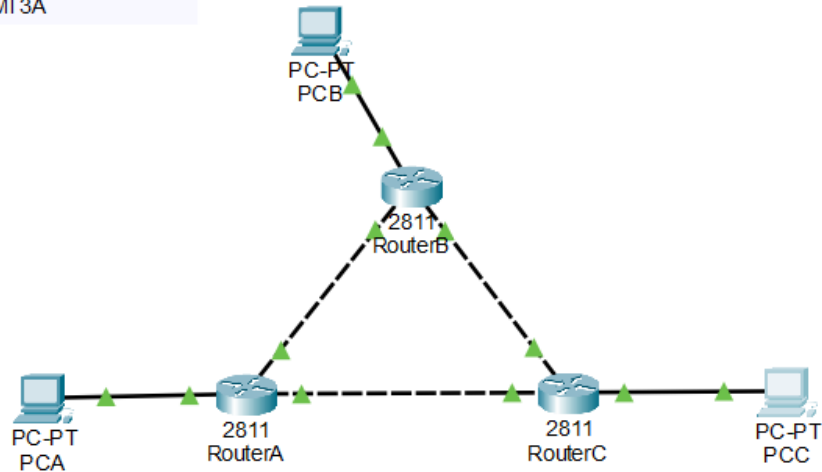


NAMA : DEA MUTIA HUJENI
NIM : 09010182327001
KELAS : MI3A
MATA KULIAH : JARINGAN KOMPUTER

RIP DAN EIGRP DYNAMIC ROUTING

DEA MUTIA HUJENI
09010182327001
MI3A



ROUTER A

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname routerA_09010182327001
routerA_09010182327001(config)#int fa0/0
routerA_09010182327001(config-if)#ip address 192.168.1.1 255.255.255.0
routerA_09010182327001(config-if)#no shutdown
routerA_09010182327001(config-if)#exit
routerA_09010182327001(config)#int fa1/0
routerA_09010182327001(config-if)#ip address 100.100.100.1 255.255.255.252
routerA_09010182327001(config-if)#no shutdown
routerA_09010182327001(config-if)#exit
routerA_09010182327001(config)#int fa0/1
routerA_09010182327001(config-if)#ip address 100.100.100.5 255.255.255.252
routerA_09010182327001(config-if)#no shutdown
routerA_09010182327001(config-if)#exit
routerA_09010182327001(config)#router eigrp 1
routerA_09010182327001(config-router)#network 192.168.1.0 0.0.0.255
routerA_09010182327001(config-router)#network 100.100.100.0 0.0.0.3
routerA_09010182327001(config-router)#network 100.100.100.4 0.0.0.3
routerA_09010182327001(config-router)#no auto-summary
routerA_09010182327001(config-router)#exit
routerA_09010182327001(config)#show ip route eigrp
^
% Invalid input detected at '^' marker.

routerA_09010182327001(config)#exit
routerA_09010182327001#
%SYS-5-CONFIG_I: Configured from console by console

routerA_09010182327001#show ip route eigrp
    100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D       100.100.100.8/30 [90/30720] via 100.100.100.6, 00:33:50, FastEthernet0/1
          [90/30720] via 100.100.100.2, 00:33:50, FastEthernet1/0
    192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
D       192.168.2.0/24 [90/30720] via 100.100.100.6, 00:33:50, FastEthernet0/1
D       192.168.3.0/24 [90/30720] via 100.100.100.2, 00:33:50, FastEthernet1/0
```

ROUTER B

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname routerB_09010182327001
routerB_09010182327001(config)#int fa0/0
routerB_09010182327001(config-if)#ip address 192.168.2.1 255.255.255.0
routerB_09010182327001(config-if)#no shutdown
routerB_09010182327001(config-if)#exit
routerB_09010182327001(config)#int fal/0
routerB_09010182327001(config-if)#ip address 100.100.100.6 255.255.255.252
routerB_09010182327001(config-if)#no shutdown
routerB_09010182327001(config-if)#exit
routerB_09010182327001(config)#int fa0/1
routerB_09010182327001(config-if)#ip address 100.100.100.9 255.255.255.252
routerB_09010182327001(config-if)#no shutdown
routerB_09010182327001(config-if)#exit
routerB_09010182327001(config)#router eigrp 1
routerB_09010182327001(config-router)#network 192.168.2.0 0.0.0.255
routerB_09010182327001(config-router)#network 100.100.100.4 0.0.0.3
routerB_09010182327001(config-router)#network 100.100.100.8 0.0.0.3
routerB_09010182327001(config-router)#no auto-summary
routerB_09010182327001(config-router)#exit
routerB_09010182327001(config)#exit
routerB_09010182327001#
%SYS-5-CONFIG_I: Configured from console by console
s
% Ambiguous command: "s"
routerB_09010182327001#show ip route eigrp
      100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D       100.100.100.0/30 [90/30720] via 100.100.100.10, 00:20:17, FastEthernet0/1
          [90/30720] via 100.100.100.5, 00:20:17, FastEthernet1/0
D       192.168.1.0/24 [90/30720] via 100.100.100.5, 00:20:17, FastEthernet1/0
          192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
D       192.168.3.0/24 [90/30720] via 100.100.100.10, 00:20:17, FastEthernet0/1
```

ROUTER C

```
Router>
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname routerC_09010182327001
routerC_09010182327001(config)#int fa0/0
routerC_09010182327001(config-if)#ip address 192.168.3.1 255.255.255.0
routerC_09010182327001(config-if)#no shutdown
routerC_09010182327001(config-if)#exit
routerC_09010182327001(config)#int fal/0
routerC_09010182327001(config-if)#ip address 100.100.100.10 255.255.255.252
routerC_09010182327001(config-if)#no shutdown
routerC_09010182327001(config-if)#exit
routerC_09010182327001(config)#int fa0/1
routerC_09010182327001(config-if)#ip address 100.100.100.2 255.255.255.252
routerC_09010182327001(config-if)#no shutdown
routerC_09010182327001(config-if)#exit
routerC_09010182327001(config)#router eigrp 1
routerC_09010182327001(config-router)#network 192.168.3.0 0.0.0.255
routerC_09010182327001(config-router)#network 100.100.100.0 0.0.0.3
routerC_09010182327001(config-router)#network 100.100.100.8 0.0.0.3
routerC_09010182327001(config-router)#end
routerC_09010182327001#
%SYS-5-CONFIG_I: Configured from console by console

routerC_09010182327001#show ip router eigrp
      ^
% Invalid input detected at '^' marker.

routerC_09010182327001#show ip route eigrp
      100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D       100.100.100.4/30 [90/30720] via 100.100.100.1, 00:27:21, FastEthernet0/1
          [90/30720] via 100.100.100.9, 00:27:21, FastEthernet1/0
D       192.168.1.0/24 [90/30720] via 100.100.100.1, 00:27:21, FastEthernet0/1
D       192.168.2.0/24 [90/30720] via 100.100.100.9, 00:27:21, FastEthernet1/0
```

Melakukan PING dan Traceroute dari PC A ke PC B dan PC C, PC B ke PC A dan PC C, serta PC C ke PC A dan PC B.

NO	NAMA DEVICE	ALAMAT	NETMASK	GATEWAY
1	PCA	192.168.1.10	255.255.255.0	192.168.1.1
2	PCB	192.168.2.10	255.255.255.0	192.168.2.1
3	PCC	192.168.3.10	255.255.255.0	192.168.3.1

NO	SUMBER	TUJUAN	HASIL	
			YA	TIDAK
1	PC1	PC2	YA	-
		PC3	YA	-
2	PC2	PC1	YA	-
		PC3	YA	-
3	PC3	PC1	YA	-
		PC2	YA	-

PC A > PC B, PC C

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time=1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time=11ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 2ms

C:\>ping 192.168.3.10

Pinging 192.168.3.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126

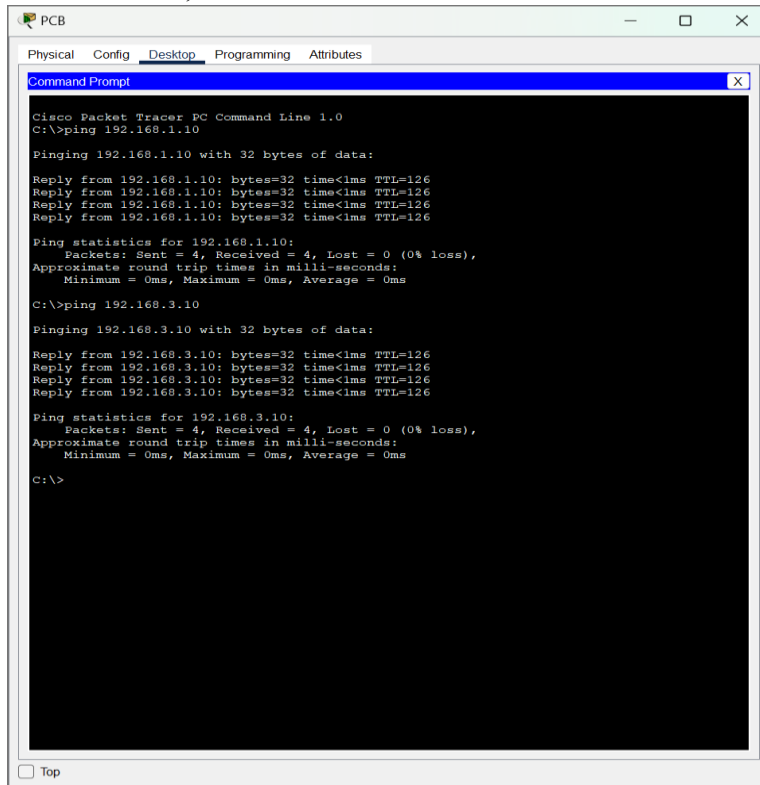
Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.3.10

Pinging 192.168.3.10 with 32 bytes of data:

Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time=2ms TTL=126
  
```

PC B > PC A, PC C



The screenshot shows the Command Prompt window of PC B in Cisco Packet Tracer. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with Desktop selected. The Command Prompt title bar is highlighted in blue. The text inside the window shows the execution of two ping commands from PC B to PC A (192.168.1.10) and PC C (192.168.3.10). Both pings are successful, showing 0% loss and 0ms round trip times.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.3.10

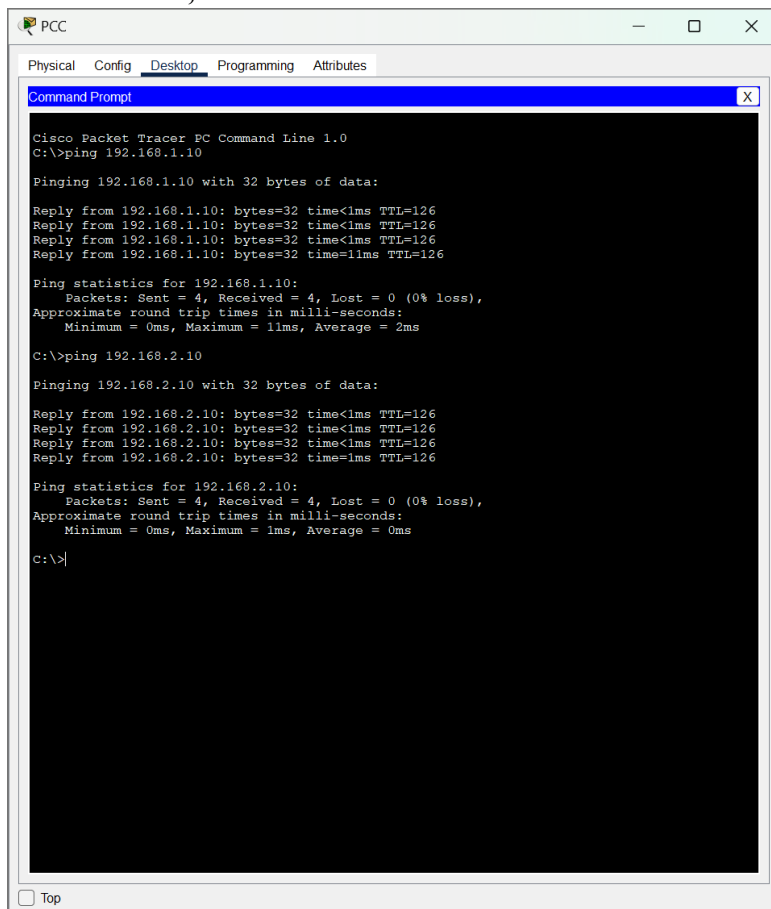
Pinging 192.168.3.10 with 32 bytes of data:

Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
```

☐ Top

PC C > PC A, PC B



The screenshot shows the Command Prompt window of PC C in Cisco Packet Tracer. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with Desktop selected. The Command Prompt title bar is highlighted in blue. The text inside the window shows the execution of two ping commands from PC C to PC A (192.168.1.10) and PC B (192.168.2.10). Both pings are successful, showing 0% loss and 2ms round trip times.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 2ms
C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
```

☐ Top