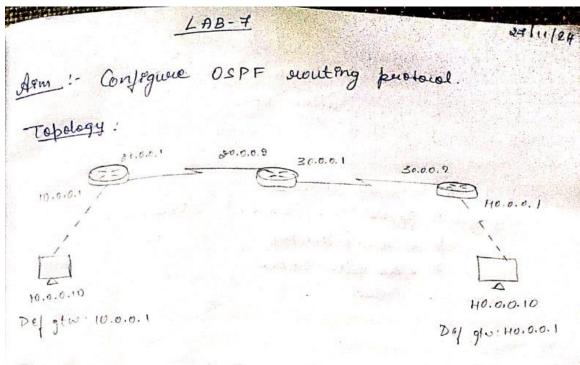
PROGRAM6: Configure OSPF routing protocol OBSERVATION:



Pawcedure !-

- 1. Place 3 souters on the provikbench.
- I. Connect two general PC to souler 0 & 2 despectfuely wing copper was onea.
 - 3. Configure IP odderers and defaunt gortenery for both the end derress.
 - A. Configure ovoutes connections.

CLI:-

Routero:

· (conjin) # enterjoice jourtetheunet 010.

(confrg-1) It ep odderen 10.0.0.0 255.0.0.0.

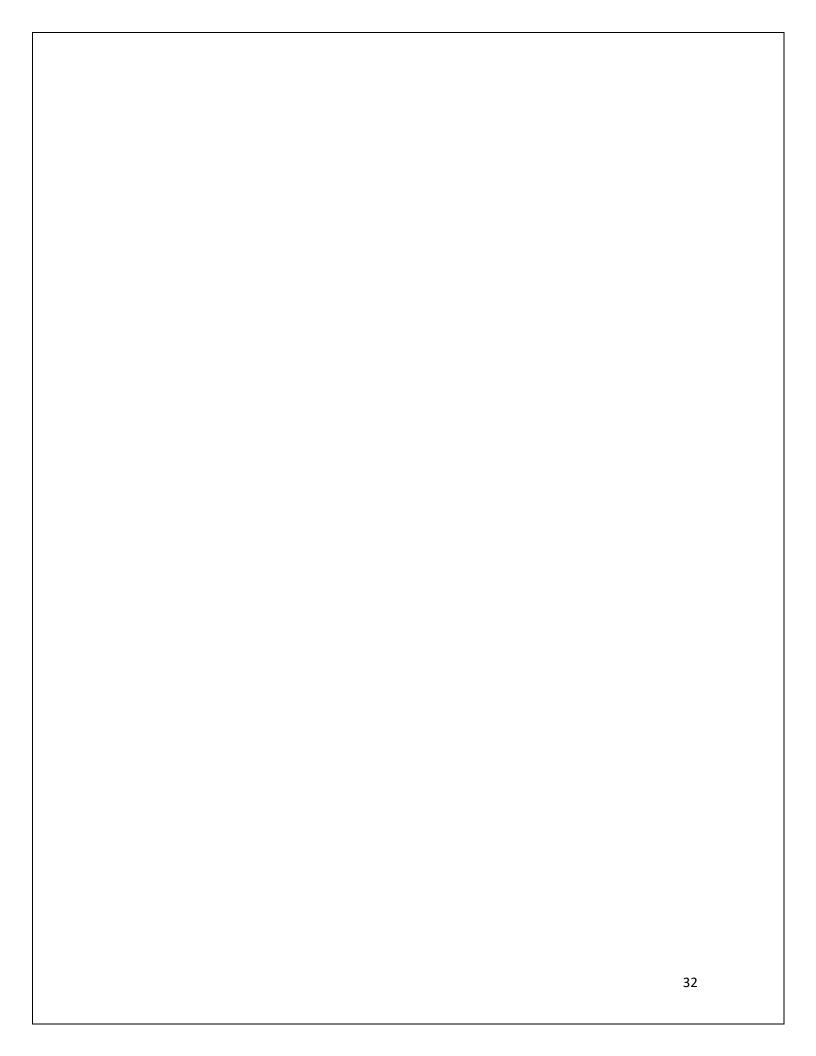
Enterfore served 2/0

Epodduer 20.0.0. (255.0.0.0

encorpsulation ppp

clock rate 64000

no shut



| Routest : | Confrs | H avoiter 05/4 | Confrs | H avoiter 80.0.0.0 0.255.255.255 | Confrs - avoid 1. | H notwooder 30.0.0.0 0.255.255.255 | avoid 0

Routes 2: (confre) # montes ospf 1 (confreq - montes) # netwoodk 30.0.000.255.255.255 aua o # netwoodk 40.0.000.255.255.255 aua 2

6. Loopboule!

Crosteg) # Interface loopbouch o

(config=4) # Pp.odd 142.16.1. 252 255.255.0.0

no shut
enit

Routen1:

(confrg) H interface bopback D (confrg)-if) H ip odd 173.16.1.253 255.255.0.0 # no shut # anit

Router 2.

Confroi) Henterface loopback b (confroil) Hep odd 172.16.1.254 255.255.0.0

He no shut

prit.

7. Vestual trak b/10 acouster estaphishment.

Router 0:
(confry) # shouter ospf!

(config - sout of) # acrea 1 vistual - link &. 2.2.2.

Routers:

(confrg) # accounter ospf 1
(confrg - souter) # account visitual-link 1.1.1.1

exet.

Routen2,!

show it soute.

lera o.o.

10.0.0.0/8 rpor 30.0.0.1 Sexed 2/0

80.0.0.0/8 ra 30.0.0.1 Sexed 2/0

30.0.0.0/8 ra vocatably subnetted, 2 subnett, 2 marks

30.0.0.0/8 is directly convected, Sexed 2/0

30.0.0.1/32 rs directly convected, Sexed 2/0

Ho.0.0.0/8 is directly convected, Sexed 2/0

Ho.0.0.0/8 is directly convected, Sexed 2/0

142.10.0.0.1/10 is directly connected, toppock 0

Observation:

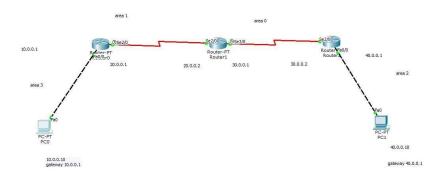
Successfully configured OSPF

Peng sesuti:

Pang 40.0.0.10

Prng statistics for 40.0.0,10:

packets: Sent = 4, Recepted = 4, Lost = 0. (04.coss)



OUTPUT:

```
Packet Tracer PC Command Line 1.0
PC>ping 40.0.0.10
Pinging 40.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 6ms, Average = 5ms
PC>ping 40.0.0.10
Pinging 40.0.0.10 with 32 bytes of data:
Reply from 40.0.0.10: bytes=32 time=8ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 8ms, Average = 6ms
```