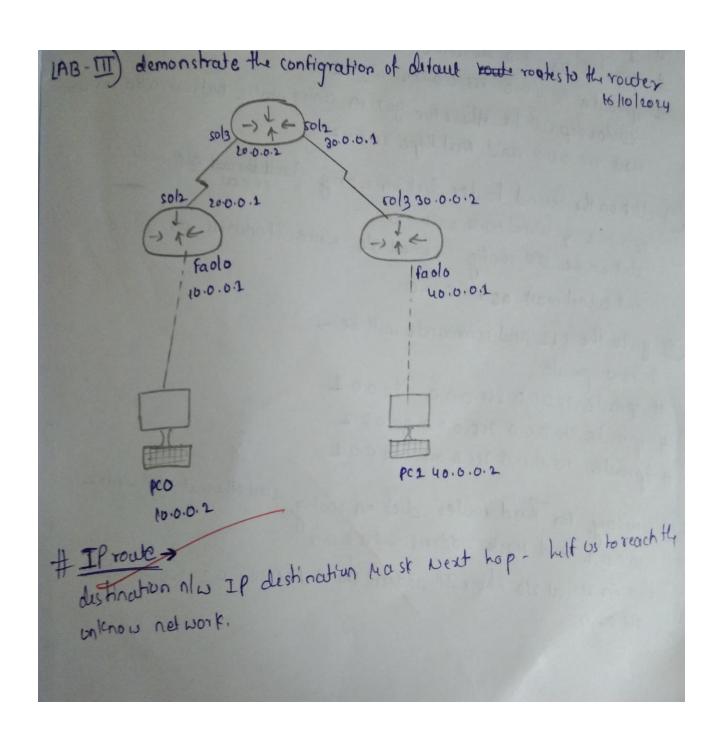


Fig-1.1 Demonstrate the configure of default routers to the to the router

```
Pinging 30.0.0.1 with 32 bytes of data:
Reply from 30.0.0.1: bytes=32 time=9ms TTL=254
Reply from 30.0.0.1: bytes=32 time=8ms TTL=254
Reply from 30.0.0.1: bytes=32 time=7ms TTL=254
Reply from 30.0.0.1: bytes=32 time=9ms TTL=254
Ping statistics for 30.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 7ms, Maximum = 9ms, Average = 8ms
PC>ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Reply from 40.0.0.1: bytes=32 time=14ms TTL=253
Reply from 40.0.0.1: bytes=32 time=7ms TTL=253
Reply from 40.0.0.1: bytes=32 time=7ms TTL=253
Reply from 40.0.0.1: bytes=32 time=15ms TTL=253
Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 7ms, Maximum = 15ms, Average = 10ms
PC>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:
Reply from 20.0.0.1: bytes=32 time=0ms TTL=255
Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>ping 20.0.0.2
Pinging 20.0.0.2 with 32 bytes of data:
Reply from 20.0.0.2: bytes=32 time=8ms TTL=254
Reply from 20.0.0.2: bytes=32 time=6ms TTL=254
Reply from 20.0.0.2: bytes=32 time=1ms TTL=254
Reply from 20.0.0.2: bytes=32 time=10ms TTL=254
Ping statistics for 20.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 10ms, Average = 6ms
```

Fig 1.2 lab2-b)Demonstrate the configure of default routers to the to the router and explore ping command



- 1p route 30.0.0.0. 255.0.0.0 20.0.0.1 (3) show ip route # iprowe (s) # ip rowle 30.0.0.0 40.0.0.0 0.0.0 255.0.0.0 20.0.0.2 20.0.0.2 Steps for configure the router -> 1 take 3 routers @ and take 2 pr from end devices (3) click on the first pe and click on the Desttop and put IPaddress as 10.0.0.2, submet mark 255,0.0.0 and Default genteray 10.0.0. (4) click on first Router and click onconfig and inthat write IP address as Po.o.o.1, subnet Marks 200.000 (i) clickon serial 210 write IP address as 20.0.0.1 and subned Mark will be 205.0.0.0. (1) in config first Pouter click on CII and write command ske # show iproute # iproute 20.0.0.0 285.0.0.0 20.0.0.2 # iproute 40.0.0.0 266.0.0.0 20.0.0.2 # iproute 30.0.0.0 255.0.0.0 20.0.0.2 simular step will be othere for got in config islatic Nethort add 20000 Mask 265.0.0.0 cend Next Hope 20.0.0.2 (1) click on the Second Power click on config facts thousand 2/0 walk 20.0.0.2 & subnet Marks 200.0.0 det on the config serial 310 write IPaddress as 30.0.0.1 and subnet mark as 250.0.0.0. (3) go to the CLI and commands will be > # show iproute # iproute 20.0.0.0 250.0.0.0. 20.0.0.1 # iproute 40.0.0.0 255.0.0.0 30.0.0.2
- # iproute 10.0.0.0 255.0.0.0 20.0.0.1

 (8) similary for Third fower click on config fastethenut do write10.0.0.1 and Mask address 255.0.0.0

 click on serial 210 there It address show d be 30.0.0.2 subvetuado
 255.0.0.0

```
In router 3rd when we dick on ILI we should write
  Il route 30.0.0.0 255.0.0.0
                                           30.0.0.2
 IP rout e 20.0.0.0 265.0.0.0
                                          30.0.0.1
 IP route. 10.0.0.0 255.0.0.0 30.0.0.1
similar for pc1 go to distop where state IP address 40.0.0.2, 200.0.00
Detaul galeway -40.0.0.1.
 go to first pc1 and we should excelle ping command
-> ping 40.0.0.1
off. Observation ->
 Pinging 40.0.0.1 with 32 bytes of Data:
  Peplay from 40.0.0.1 bytes=32 time=14 ms TTL = 263

feplay from 40.0.0.1 bytes=32 time=7M6 TTL = 263

feplay from 40.0.0.1 bytes=32 time=7M6 TTL = 263

feplay from 40.0.0.1 bytes=32 time=15M8 TTL = 263

feplay from 40.0.0.1 bytes=32 time=15M8 TTL=263
 Ping statics for 40.0.0.9;
      Lost = 0 (01. Loss)

Ninimum = 7Ms, Marimum = 15Ms, Average = 10Ms

Show if rowte
     Approximate round triptime in mulliseconds:
                          C 10.0.0.018 is directly unneved fastEtheretolo
                            C 20.0.0.018 is directly connected, serial 10/0
                           5 40.0.018 [110] via $ 20.0.0.2
```

S 40.0.0.0(8[1/0] via 20.0.0.2.

Buillow