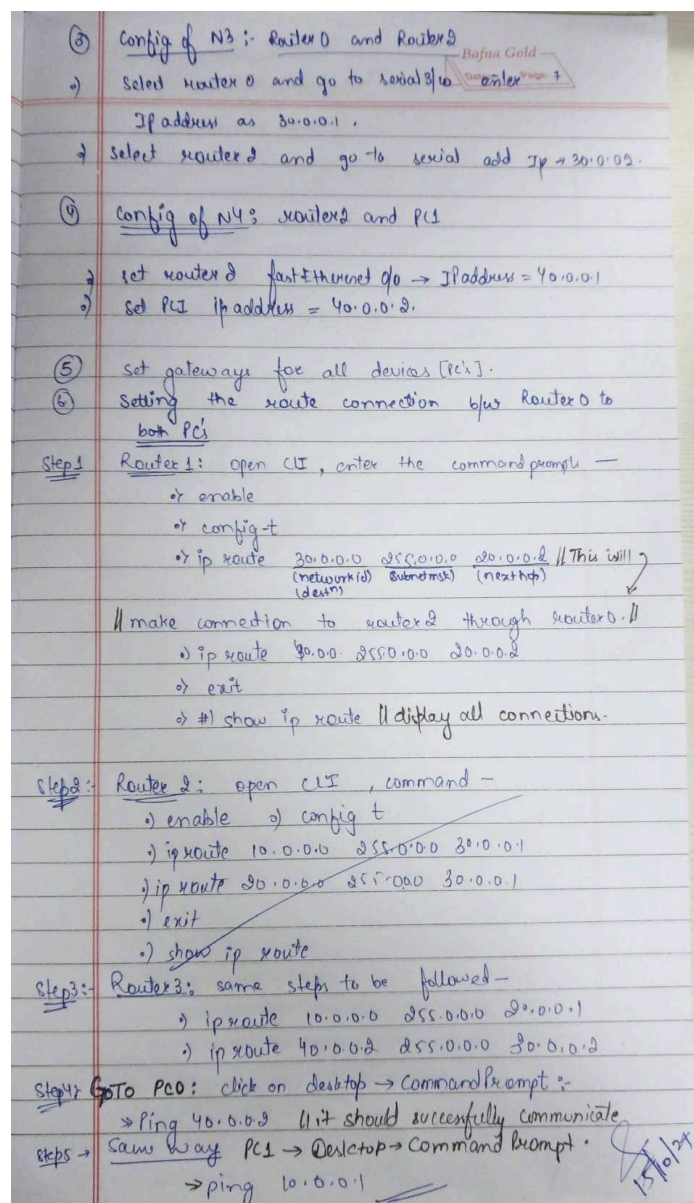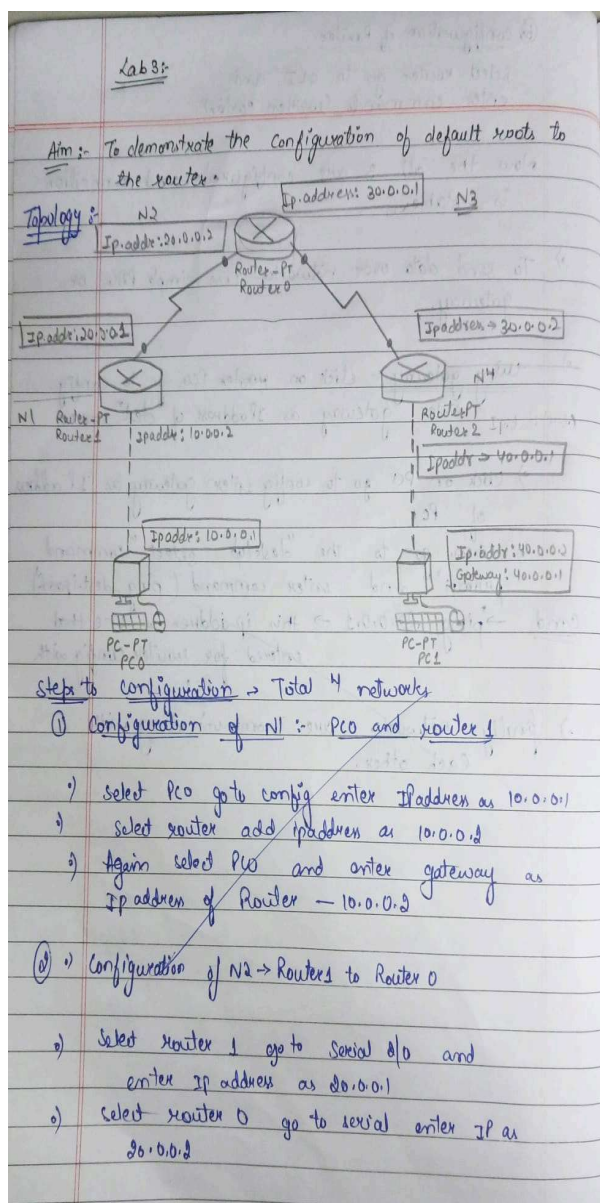NAME : MANVI SHARMA   USN: 1BM22CS149
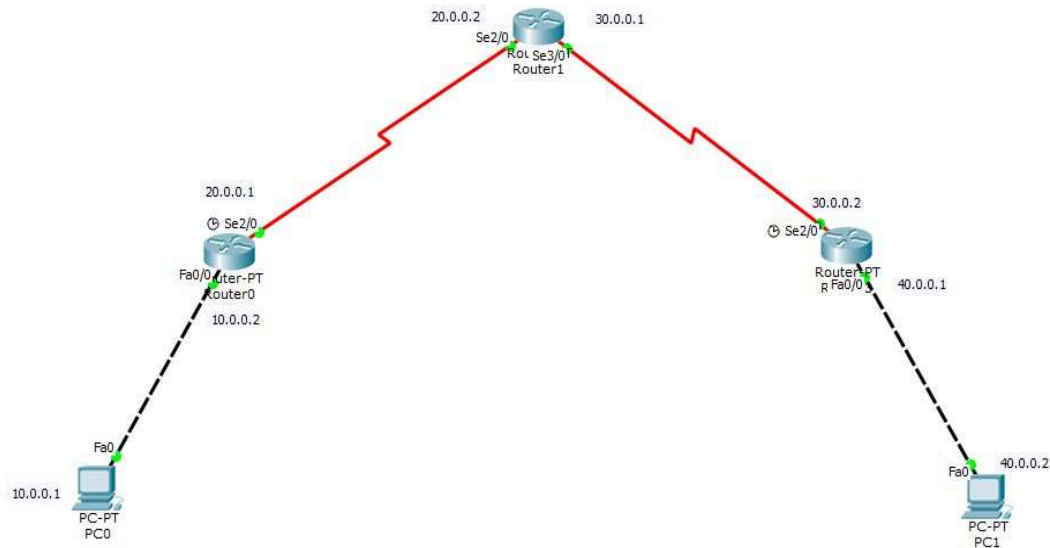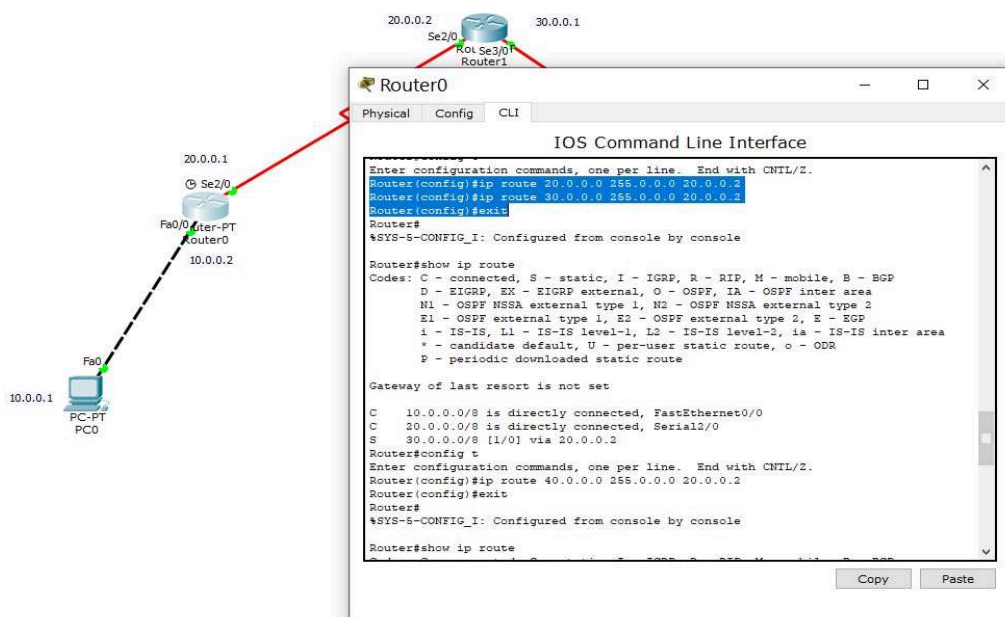
CN LAB 3

AIM: TO DEMONSTRATE THE CONFIGURATION OF THE DEFAULT ROOTS TO THE ROUTERS
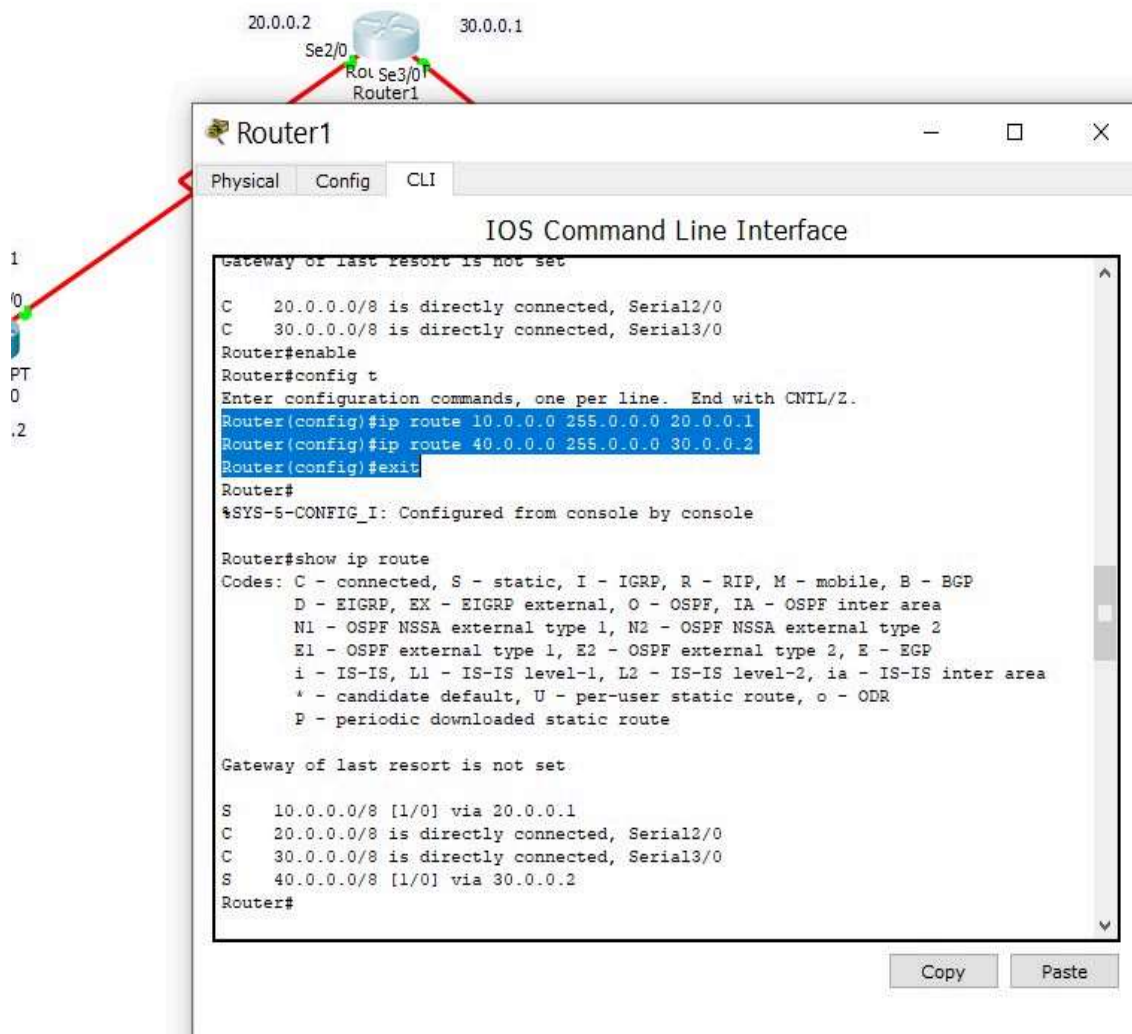
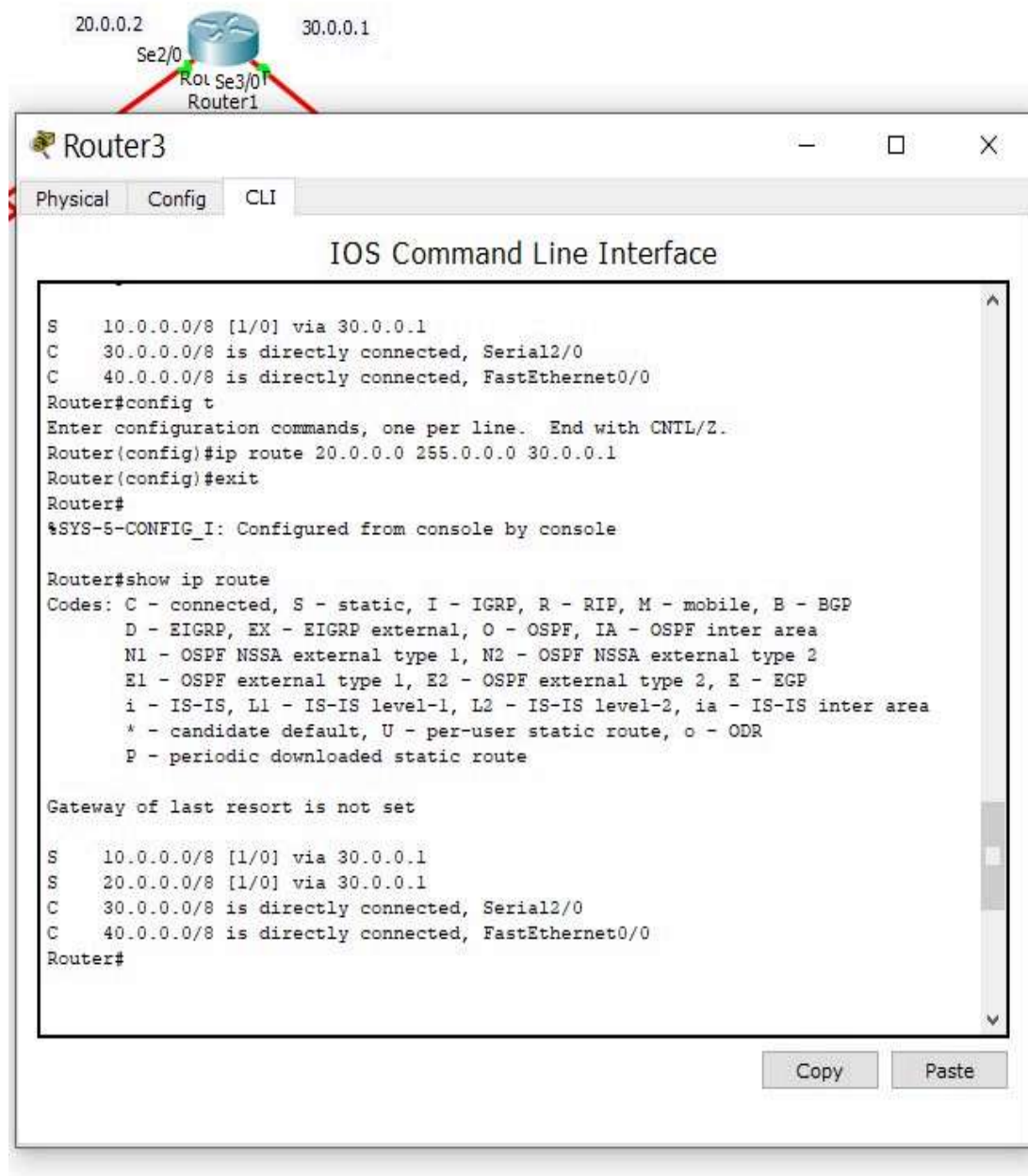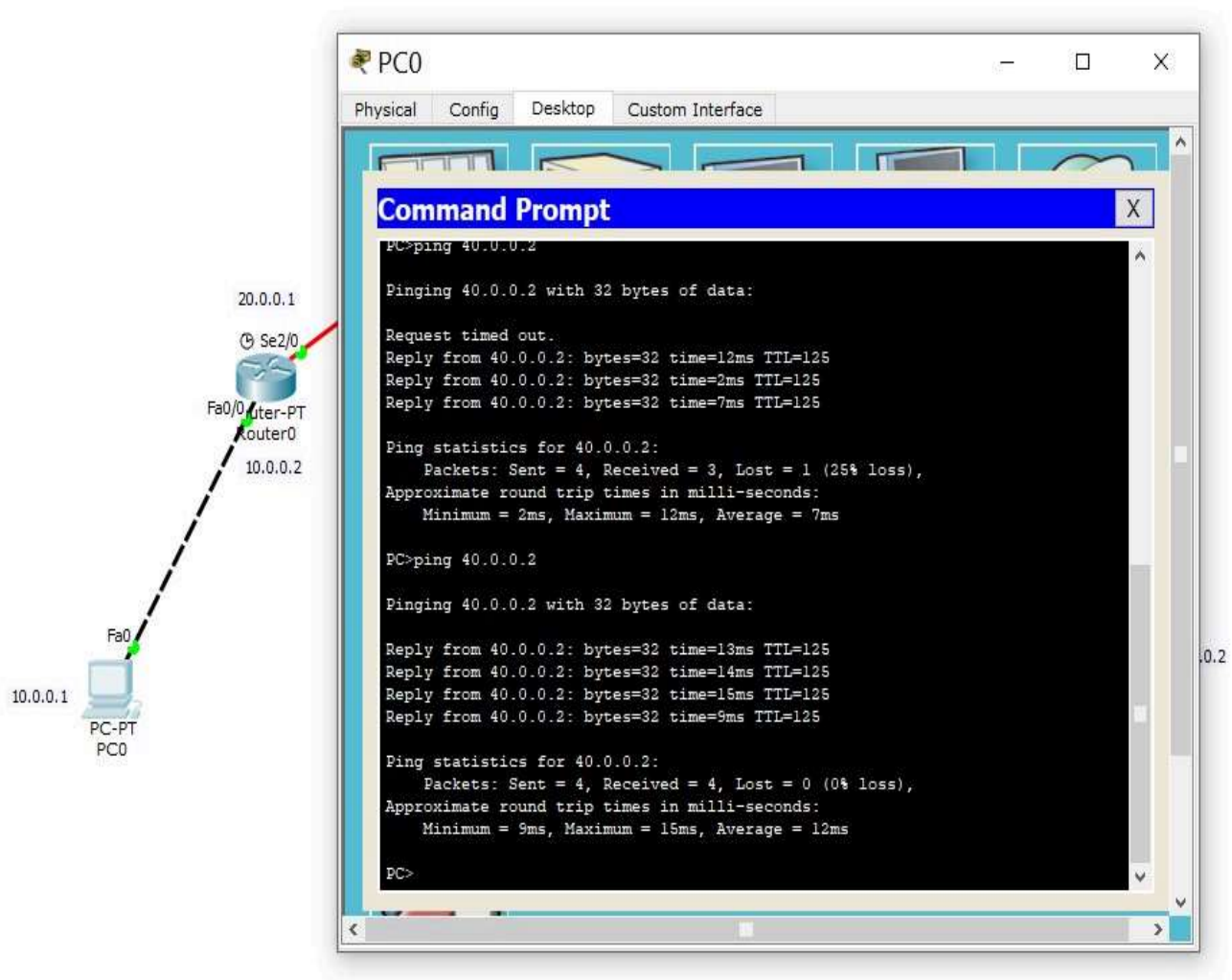NETWORK TOPOLOGY :

CONNECTIONS ACROSS NETWORK :

A) Router0 connection

20.0.0.2   30.0.0.1
Se2/0
Rou Se3/0
Router1

1
/0

PT
0
.2

Router1   —   □   ✕

Physical   Config   CLI

IOS Command Line Interface

```
Gateway of last resort is not set

C    20.0.0.0/8 is directly connected, Serial2/0
C    30.0.0.0/8 is directly connected, Serial3/0
Router#enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ip route 10.0.0.0 255.0.0.0 20.0.0.1
Router(config)#ip route 40.0.0.0 255.0.0.0 30.0.0.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

S    10.0.0.0/8 [1/0] via 20.0.0.1
C    20.0.0.0/8 is directly connected, Serial2/0
C    30.0.0.0/8 is directly connected, Serial3/0
S    40.0.0.0/8 [1/0] via 30.0.0.2
Router#
```

Copy   Paste

B) ROUTER 1

C) ROUTER 3

d) PING COMMAND