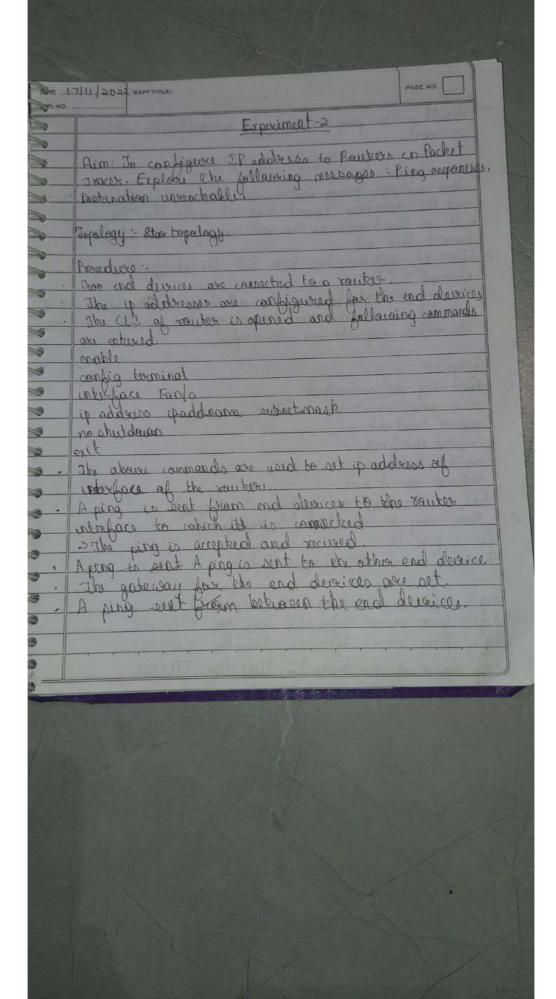
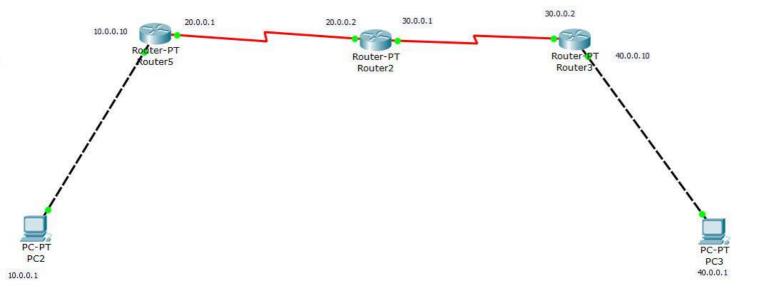
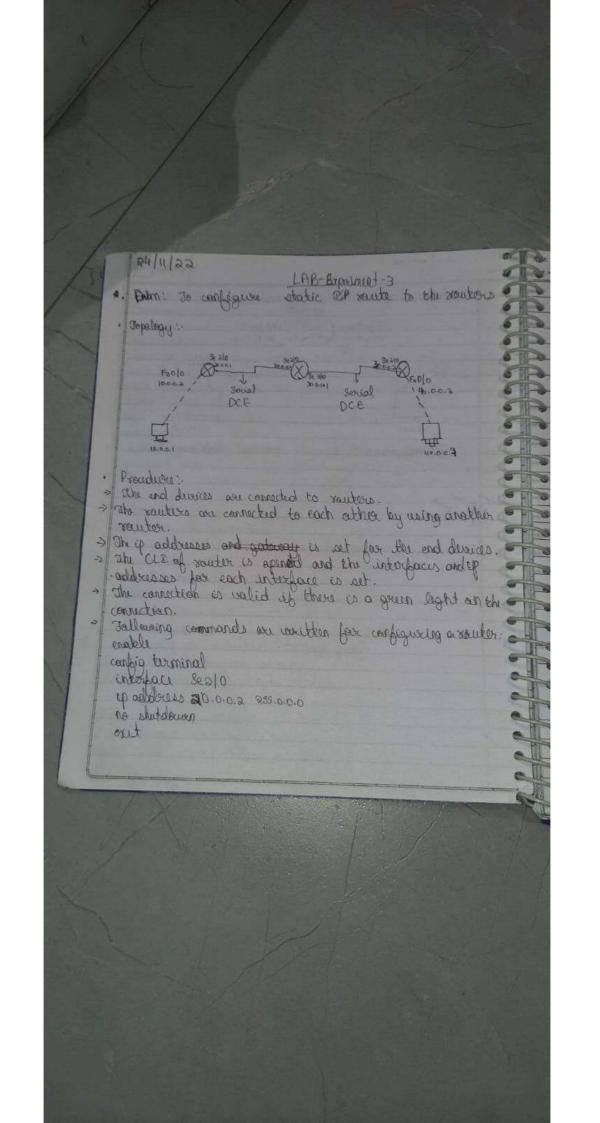


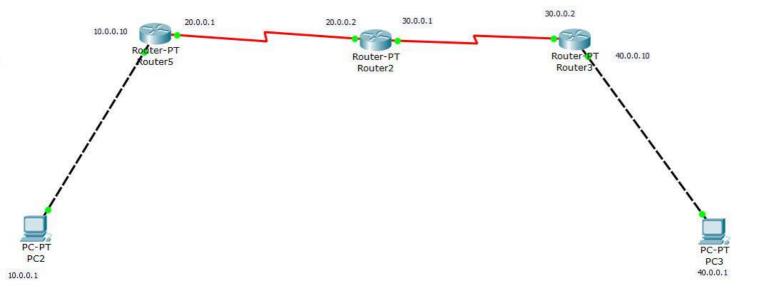
- A ping is sent from end device to the connected xouther Request is timed out thence gaturaly is set. > A ping is sent from end devoice to a router not connected to it. We get Destination hast not xeachable so use go to each router and route it to all ather petrogets, using command ip xouto 300,00 255,000 20,000 > A ging is not from and derive to ather and derice Result: A supressful ping nessage is transmitted from one end device to another and desice Appropriation: A ging doesn't crease the introduce until a gaterial has been set to the connected interface routen to live paig aft, the need earl presentage and c crass and to another router as the muters are not connected to other returnes and they count know which route to take are where the next hap of the signal is be be done The ratters are configured with it raute where the network name, subject mask and the next hap ne work pat canne ted to it. After santing, the router will know the path in which ping travels



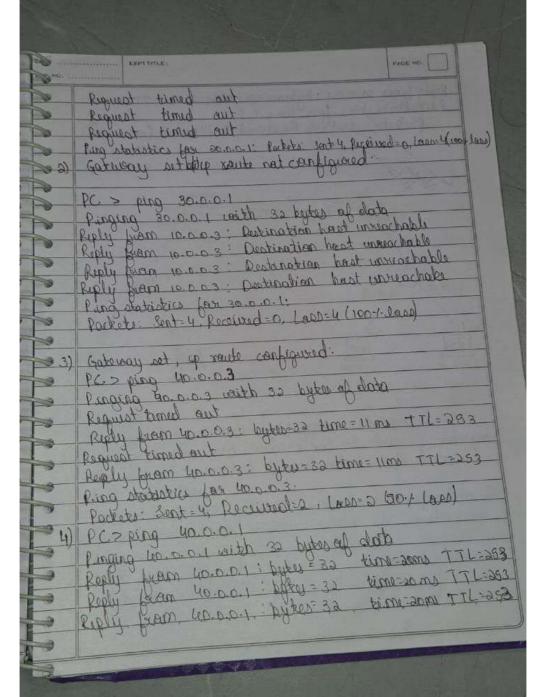


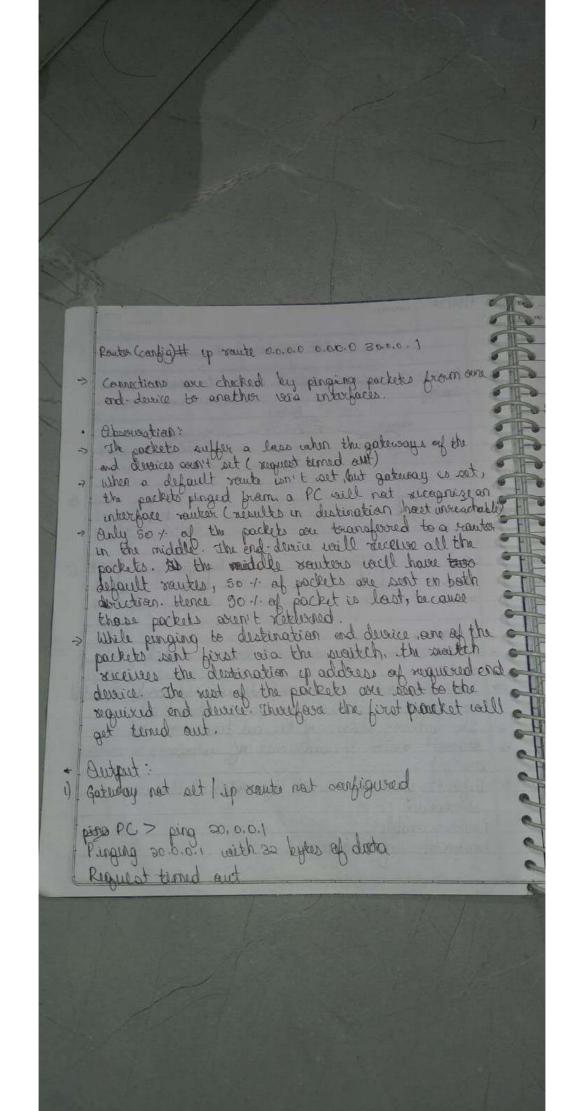
autput: 1- PC > ping 200.0.1 [fram 10.0.0.1] Pinging so. c. o. 1 with 32 bytes of data: Request timed out Request tened out Regiest timed out Projust timed out Ping statistics for 20.0.0.1: Packets: sent=4, Received=0, Lest=4 (1001. Laws) a) PC > ping 30.0.0.1
Pringing 30.0.0.1 with 32 bytes of data:
Destination host not xeachable evous 3) PC > ping 40.0.0.1 Ringing 40.0.0.1 with 32 bytes of dato: Do Reply forom 40.001: bytes=30 teleme=8ms TTL=125 highly from 46.001: bytes=32 time=8ms TTL=125 Reply from 40.0.0.1: bytes=32 time=8ms TTL=185 fielly from 40.0.0.1. bytes=32 time 8ms TTL=125 Pang statastics for the o.o. o. 1: Pockets: Sent=4, Riceixed=4, last=0 (0-1. Lass)

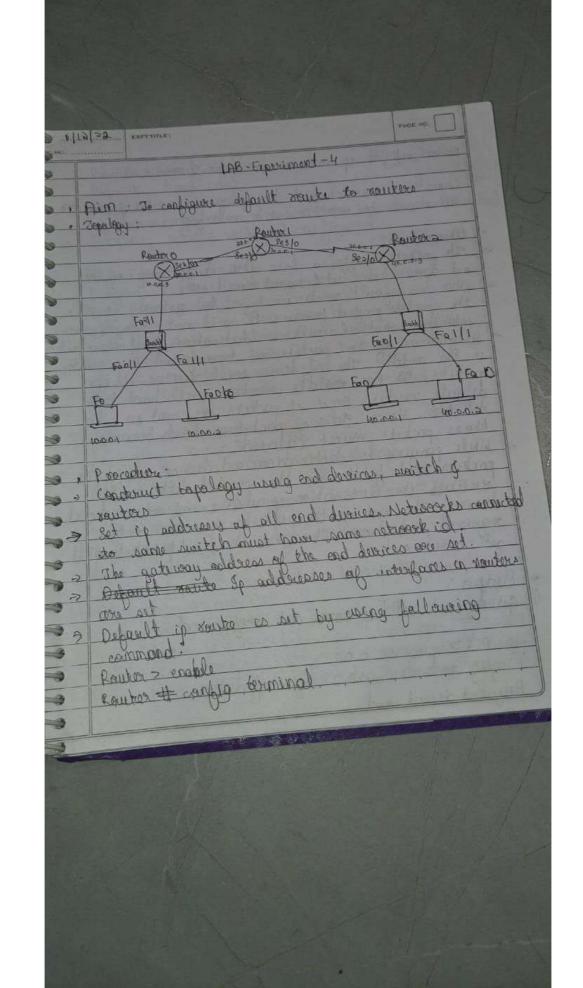


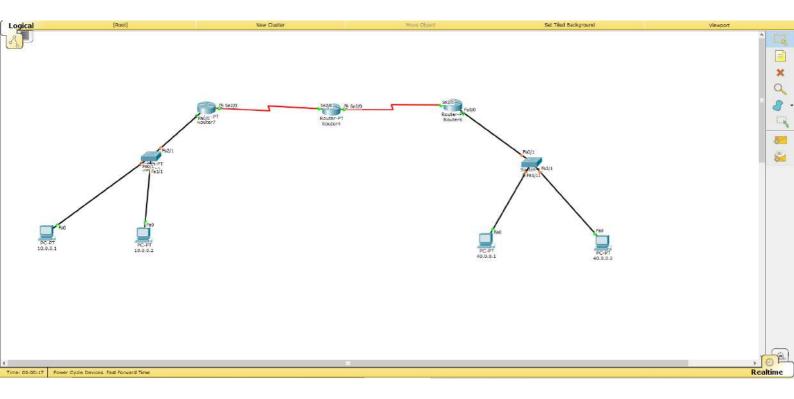


Reply from 40.0.0.1: bytes =30 time=20 ms TTL=253
Particulationics for 40.0.0.1
Parkets: sent y, Received=4, Lapto (101. Laps)

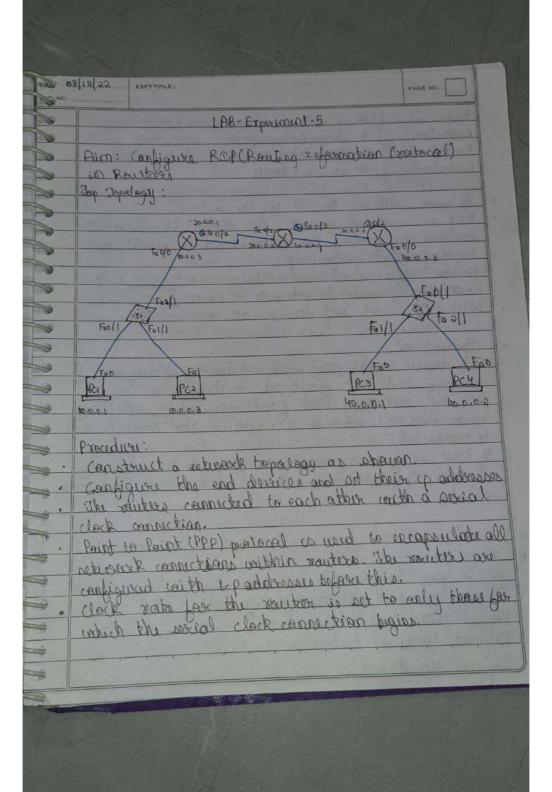


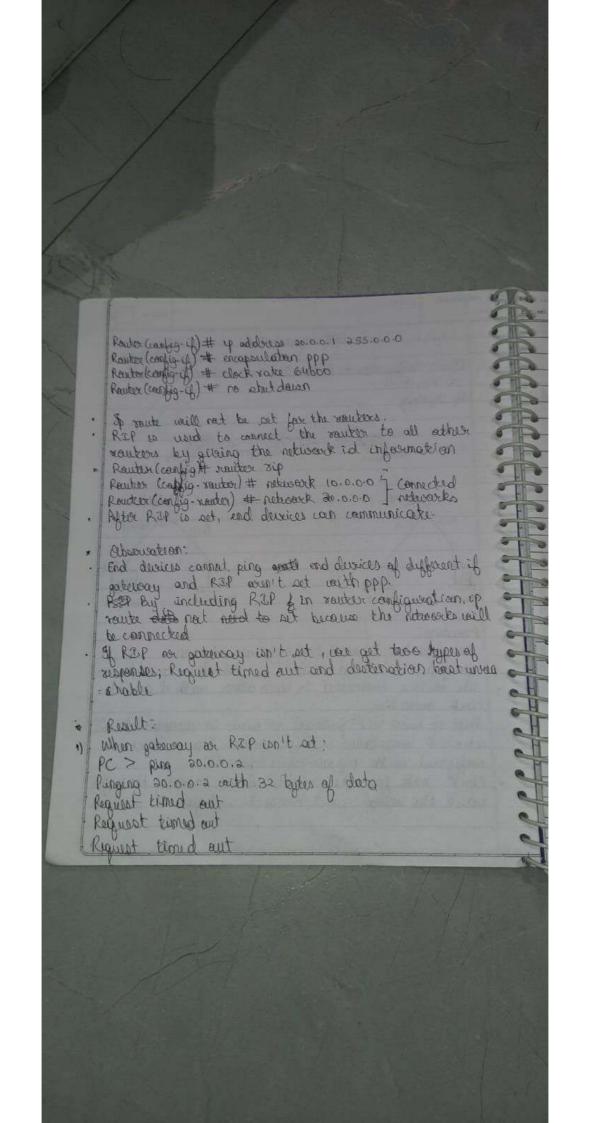


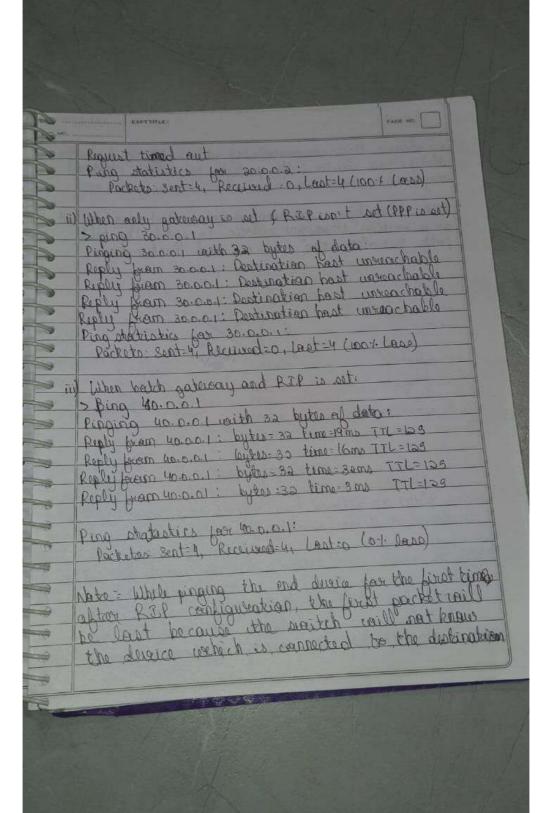


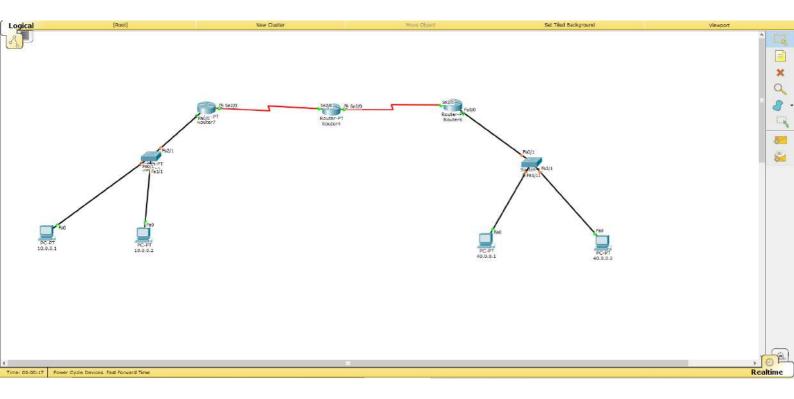


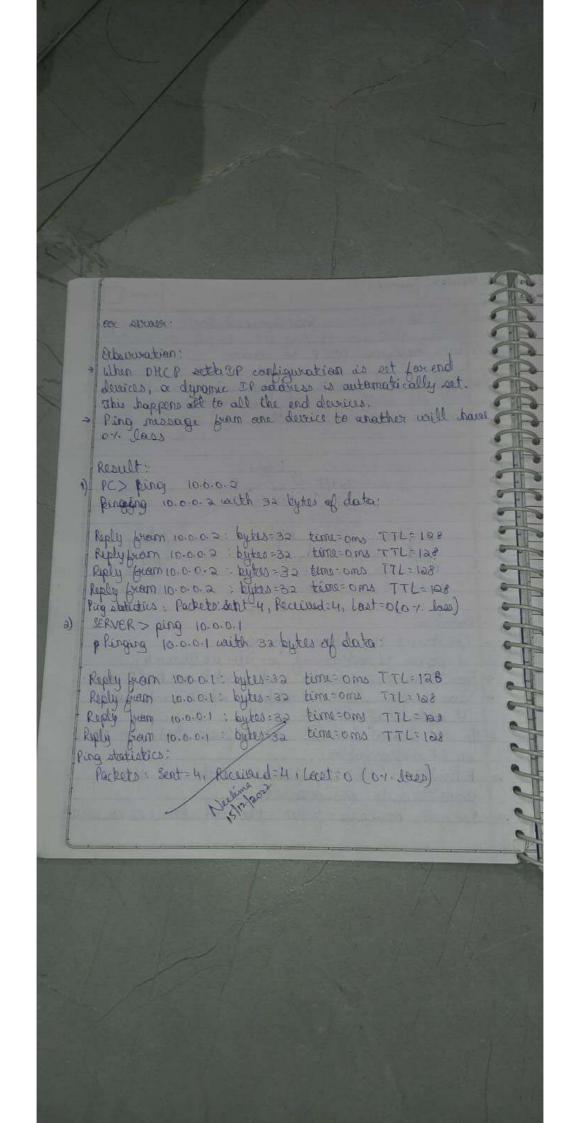
ip address. Once it receives ip address by the framthe distinction divice, the packets are bout without any lass. REP is a dynamic souting protocal that was hop count as a souting treposition metalic to find the bust path between the source and destination.

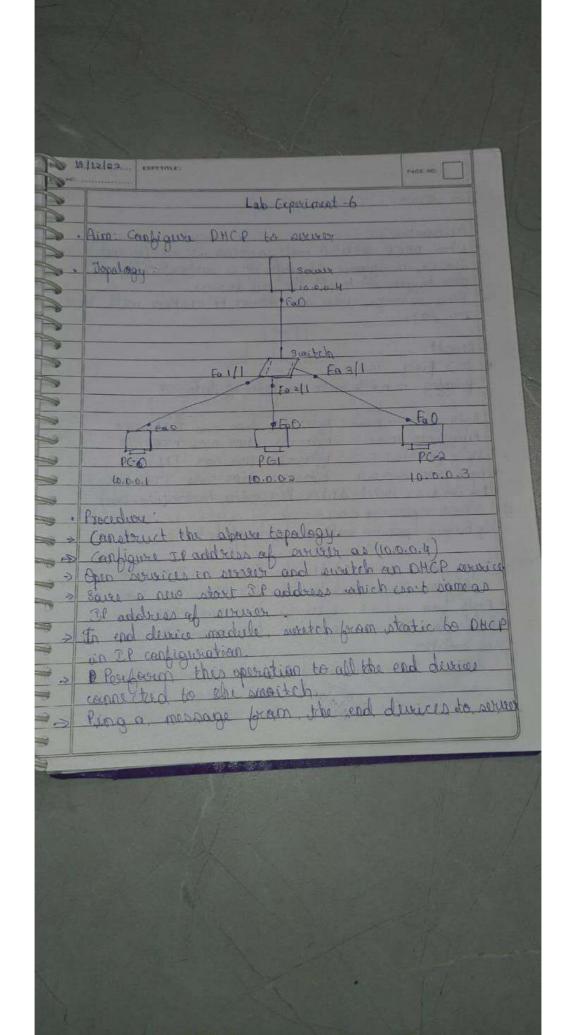


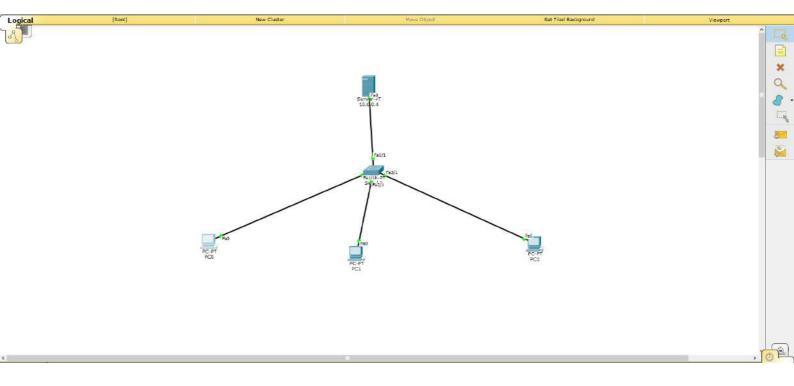


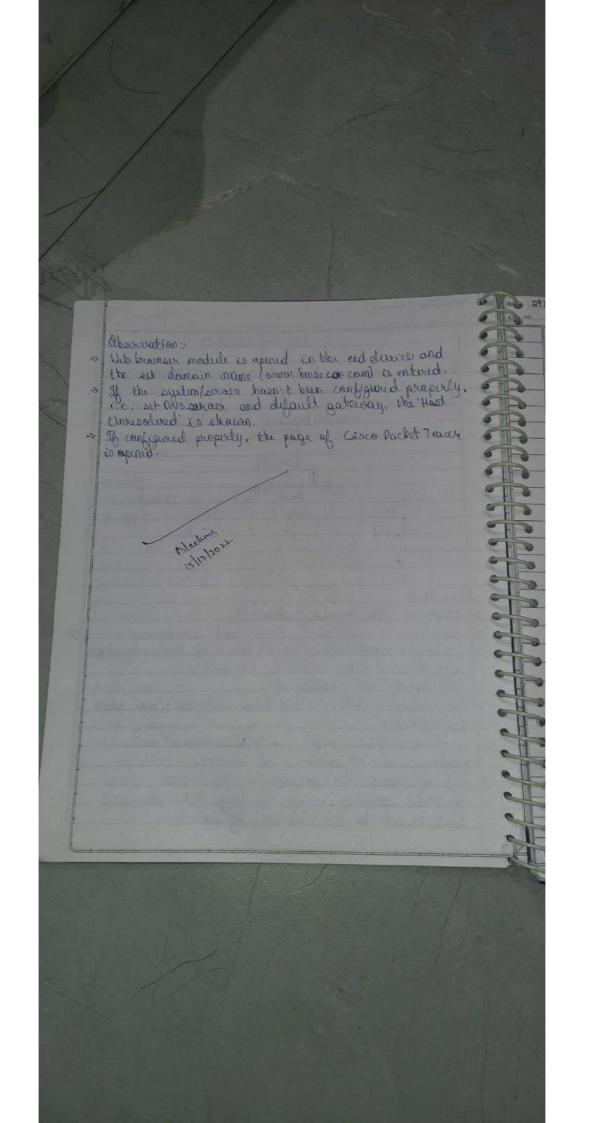


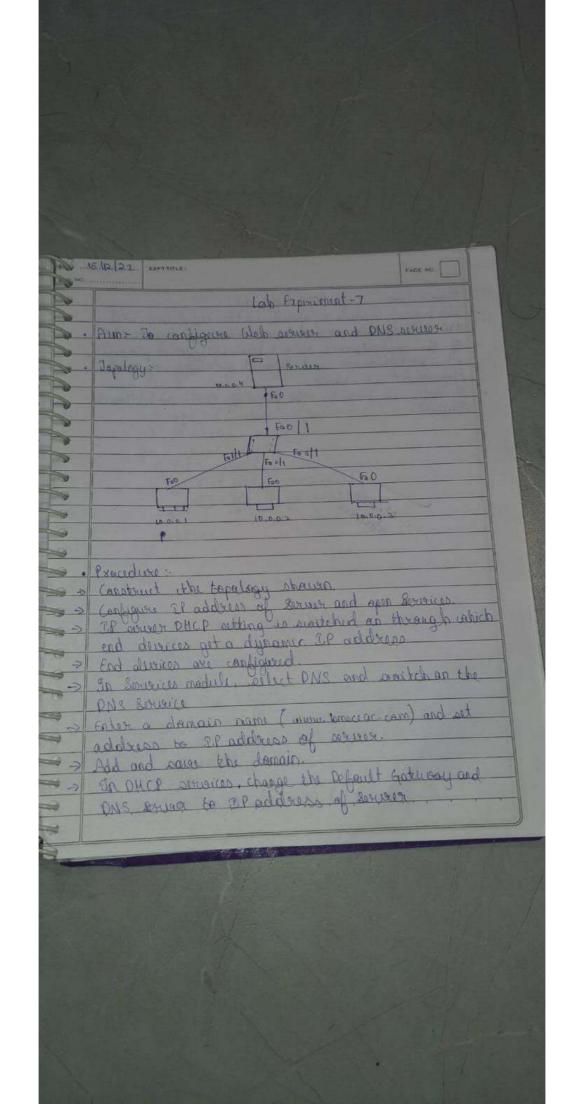


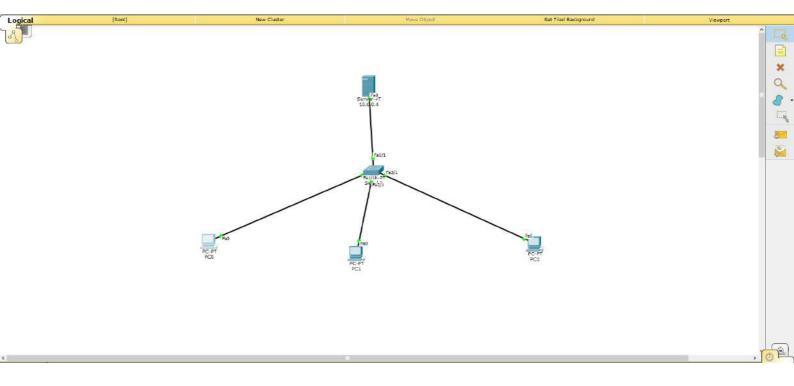


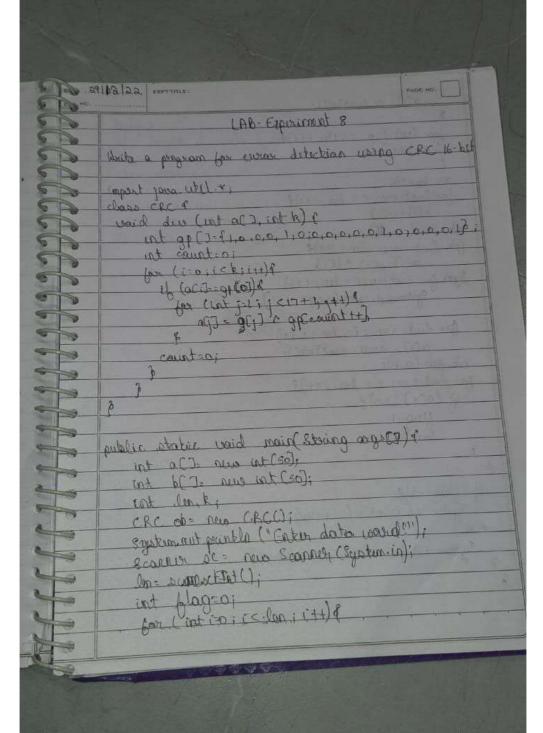


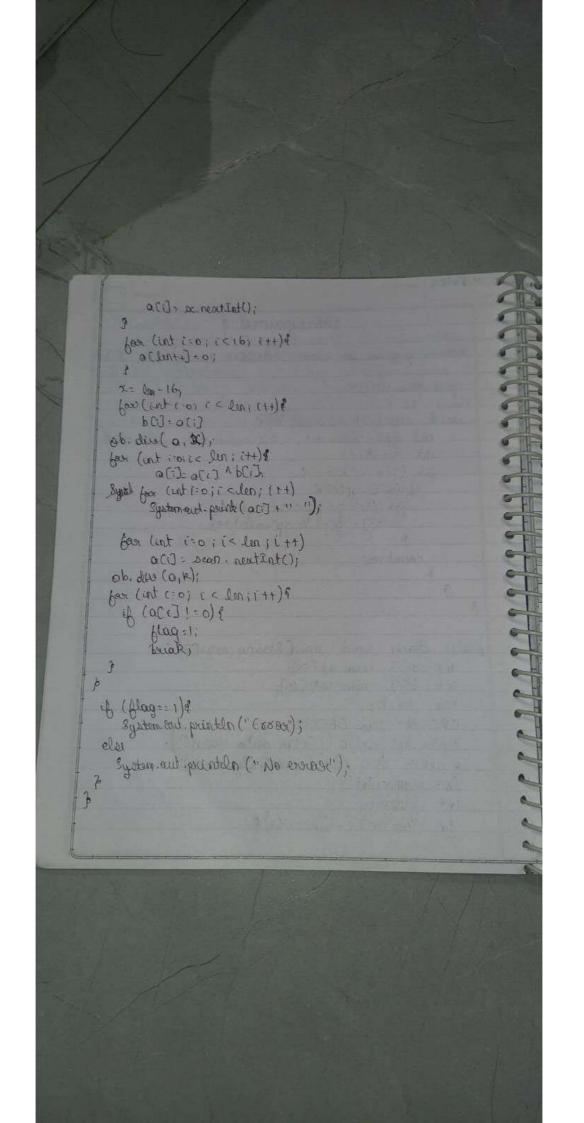


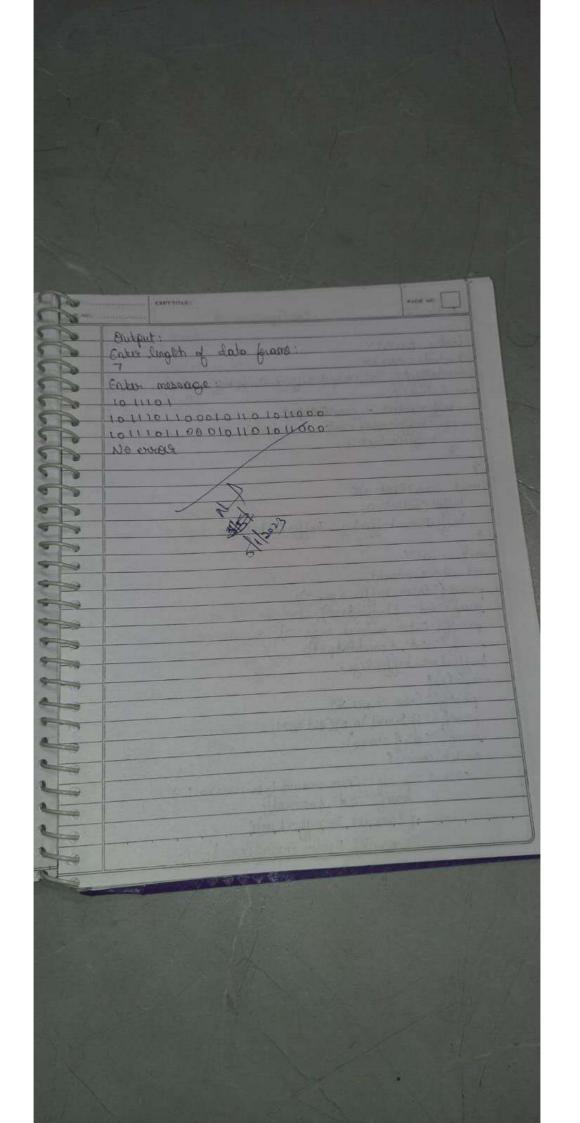




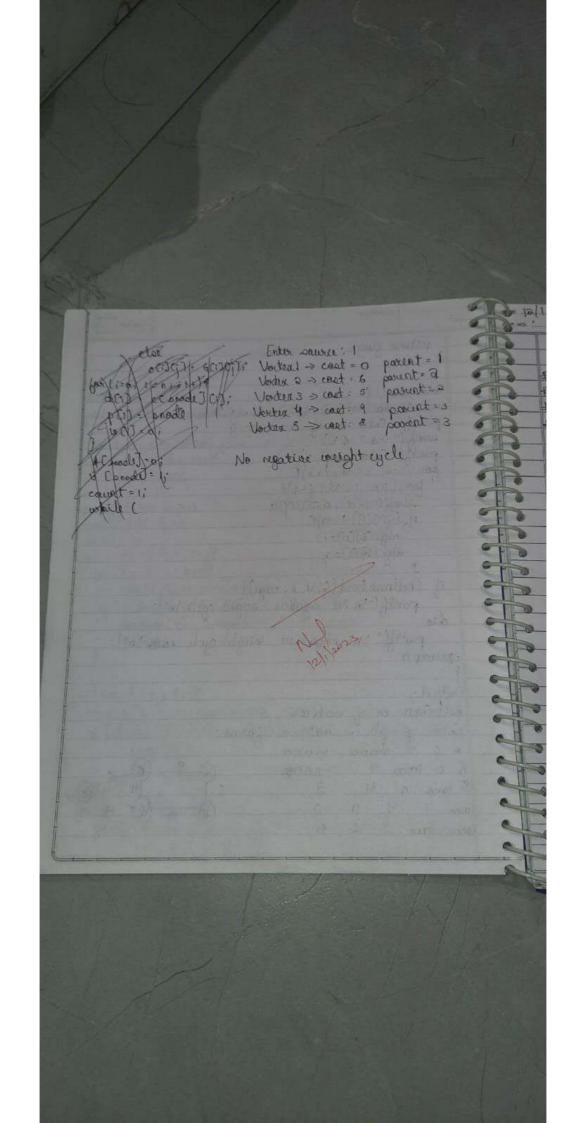


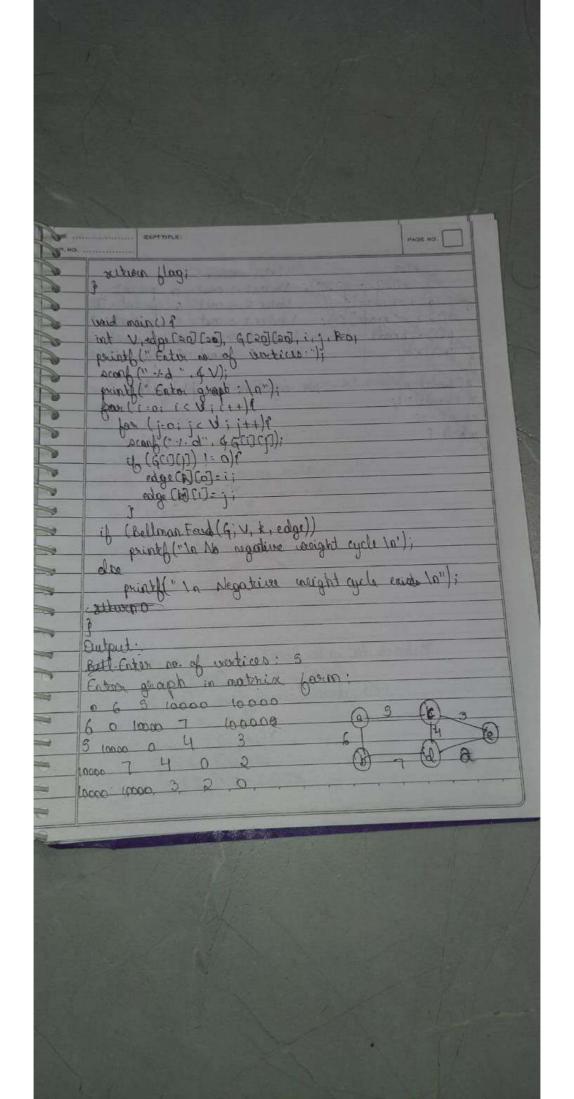


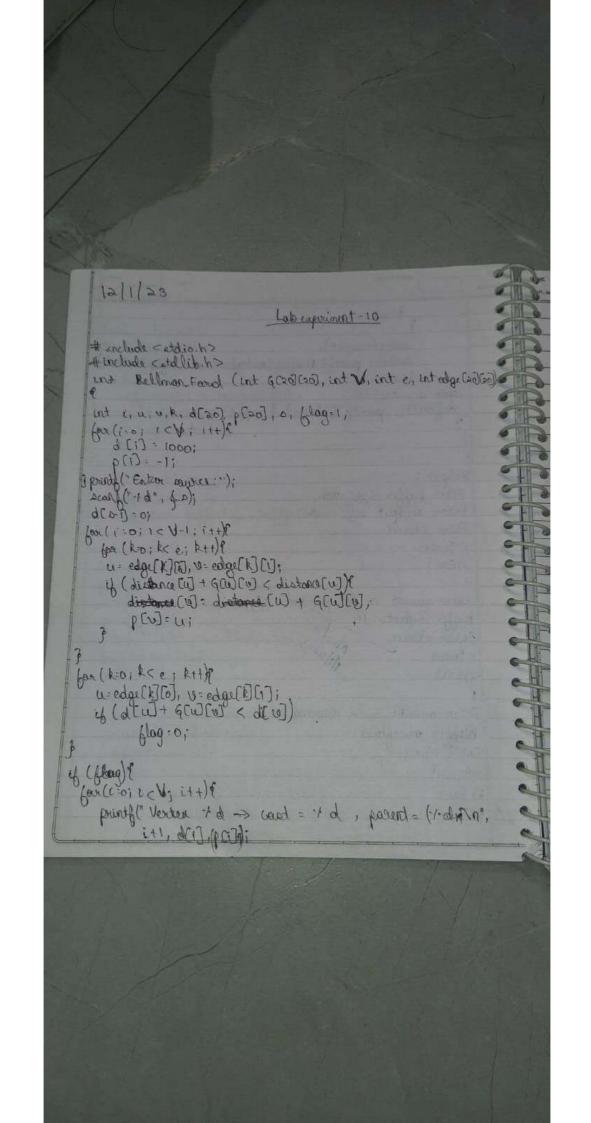




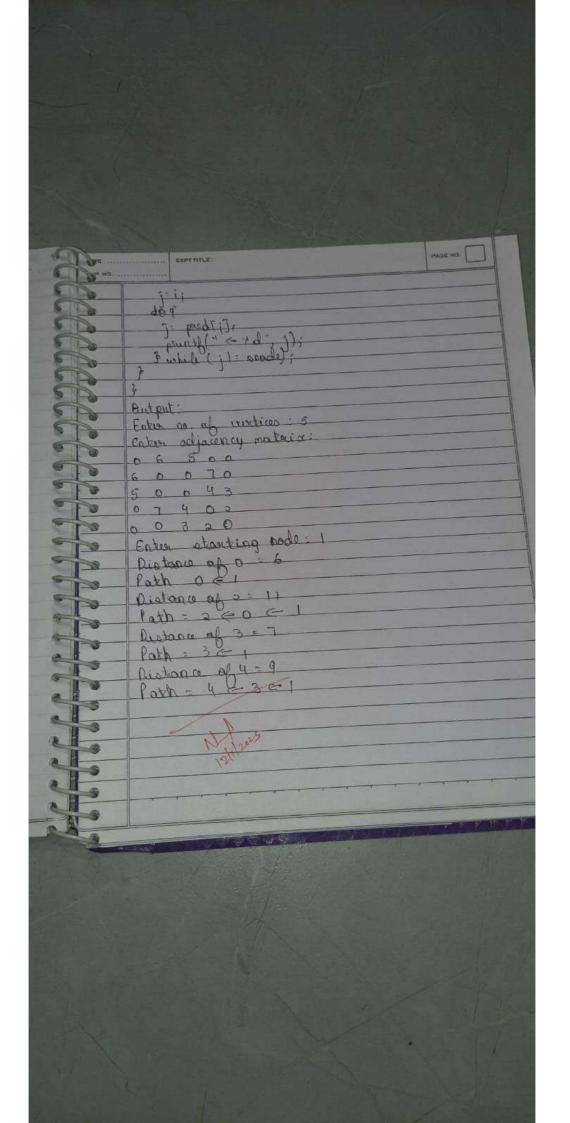
```
C:\Users\deept\OneDrive\Desktop>java CRC.java
Enter the length of Data Frame:
7
Enter the Message:
1 0 1 0 1 0 1
Data to be transmitted:
1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0
Enter the Reveived Data:
1 0 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 0
error in data
```

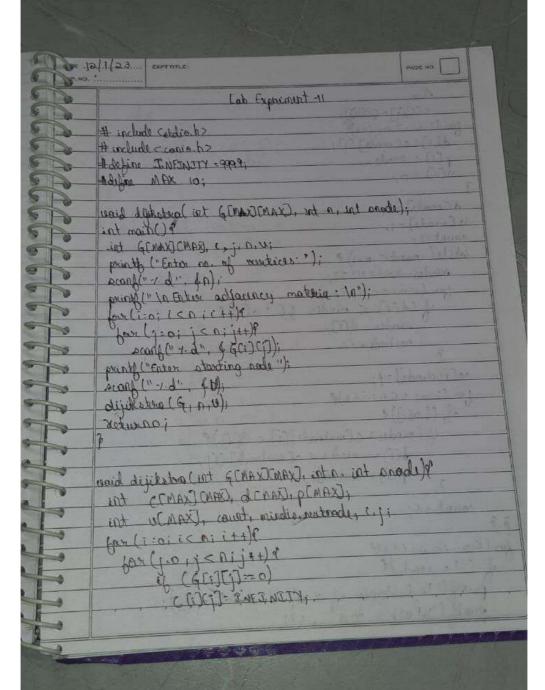


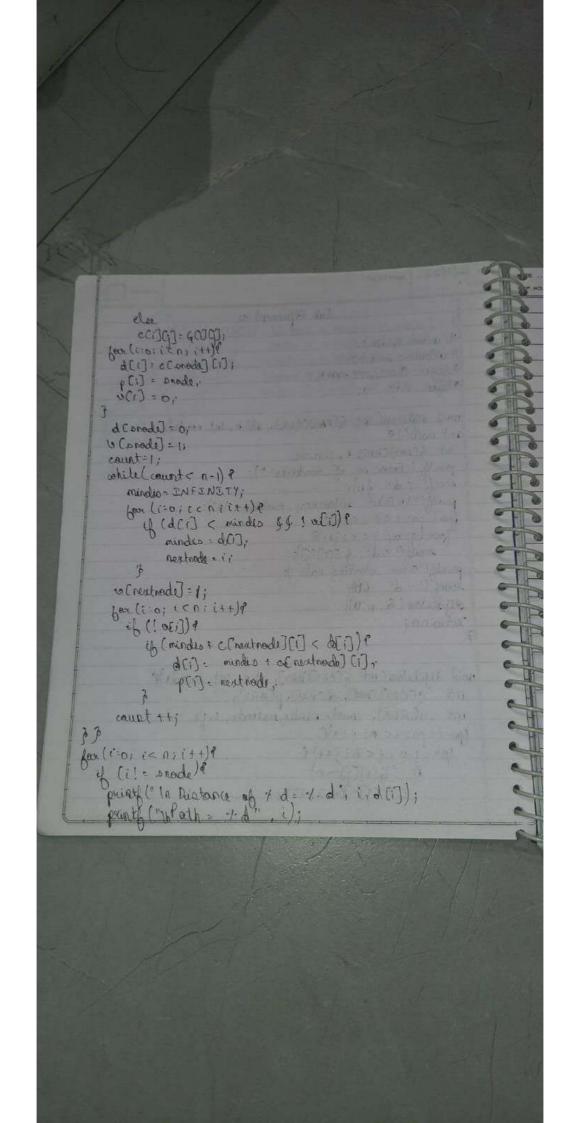




```
Enter the number of vertices: 4
Enter the source vertex of the graph: 1
Enter no. of edges: 5
For edge 1=>
Enter source vertex :1
Enter destination vertex :2
Enter weight :4
For edge 2=>
Enter source vertex :1
Enter destination vertex :3
Enter weight :5
For edge 3=>
Enter source vertex :3
Enter destination vertex :2
Enter weight :7
For edge 4=>
Enter source vertex :2
Enter destination vertex :4
Enter weight :7
For edge 5=>
Enter source vertex :4
Enter destination vertex :3
Enter weight :-15
```







Enter the no. of vertices: 5
Enter the adjacency matrix:
0 3 1 0 0
3 0 7 5 1
1 7 0 2 0
0 5 2 0 7
0 1 0 7 0

Enter the starting node: 0

Distance of 1 = 3
Path = 1 <-0
Distance of 2 = 1
Path = 2 <-0
Distance of 3 = 3
Path = 3 <-2 <-0
Distance of 4 = 4
Path = 4 <-1 <-0