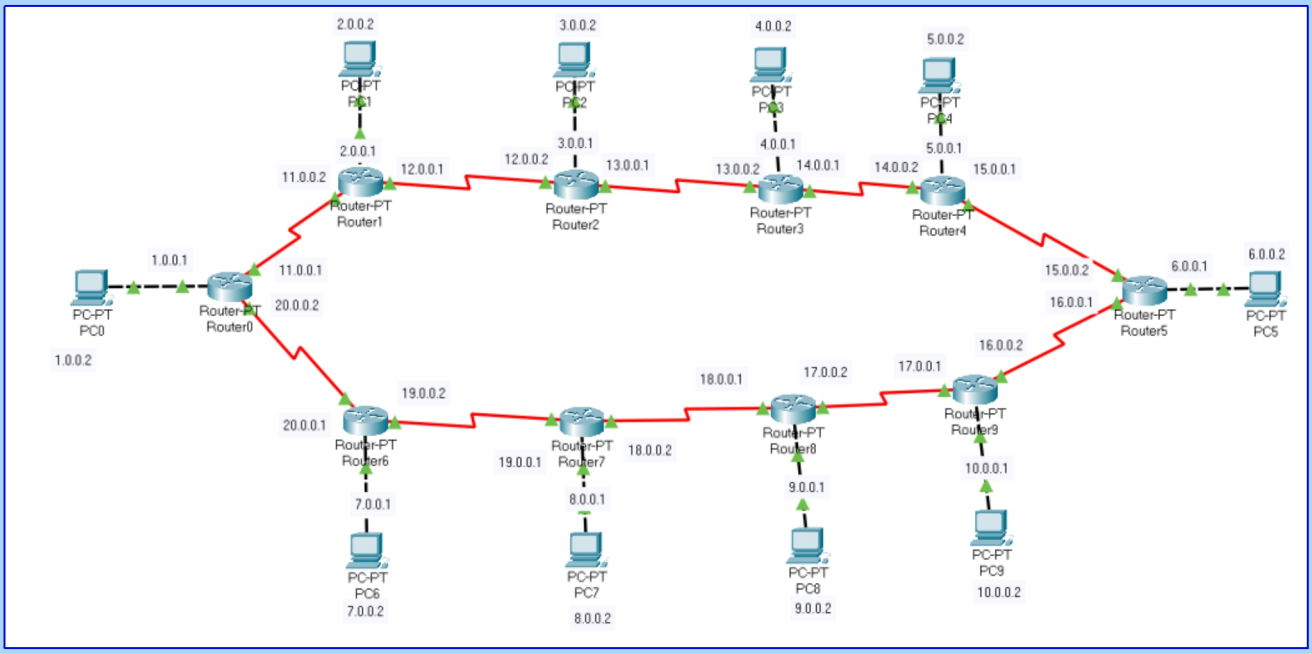
NAME - ASHUTOSH ARDU
REG NO - 20BRS1262
DATE - 9-6-2021

OSPF TASK

STEPS INVOLVED

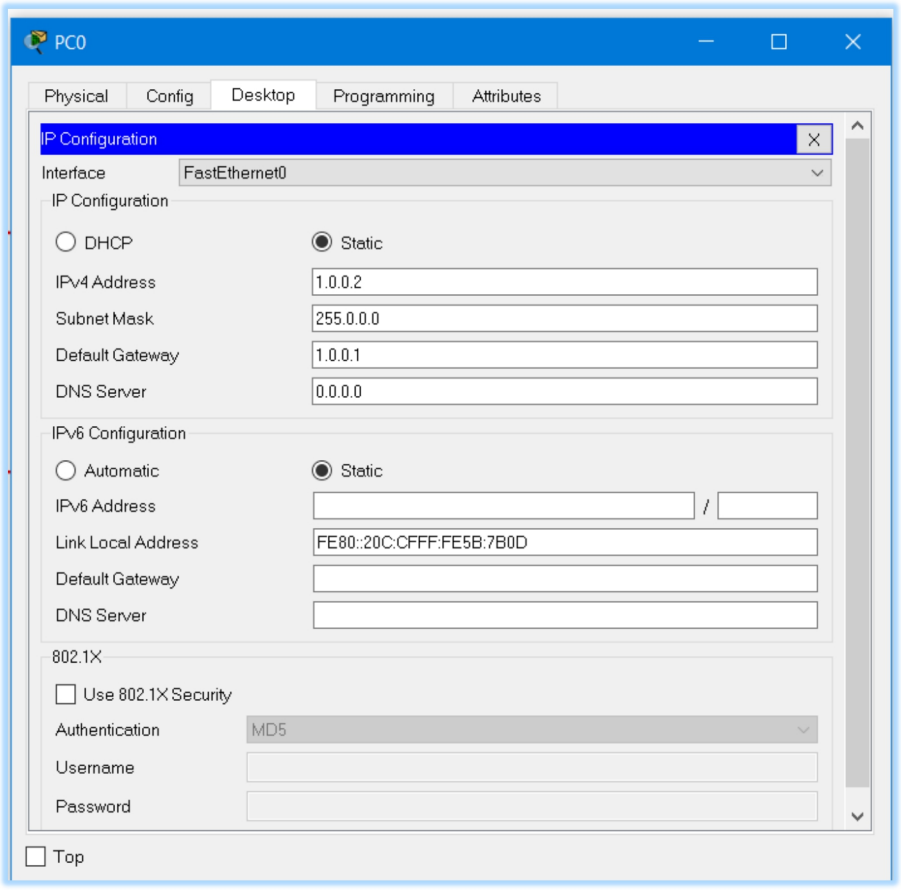
- FIRST USING DEVICES PRESENT IN PACKET TRACER PREPARE THE NECESSARY TOPOLOGY.
- ASSIGN THE IPs TO PCs AND ROUTERs AND ALSO ASSIGN THE OSPF PACKET FOR THE INDIVIDUAL ROUTERS.
- NOW CREATE A PACKET AND SHOW SUCCESSFUL TRANSMISSION OF THE PACKET.

TOPOLOGY

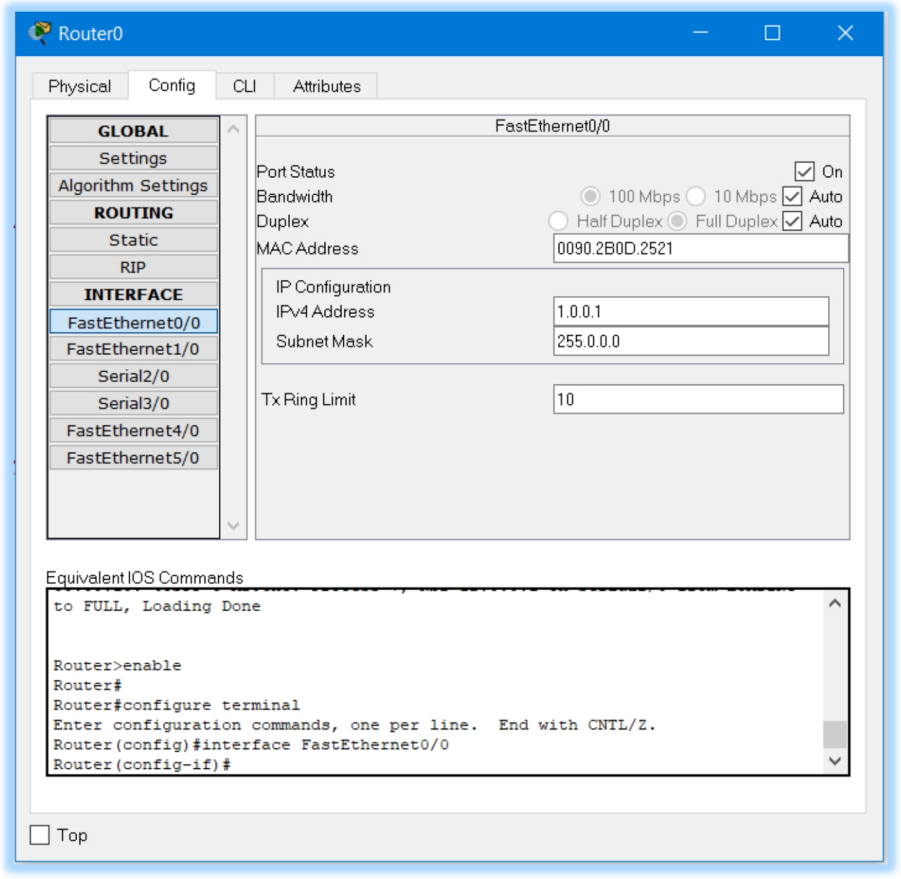


(PLEASE ZOOM IN)

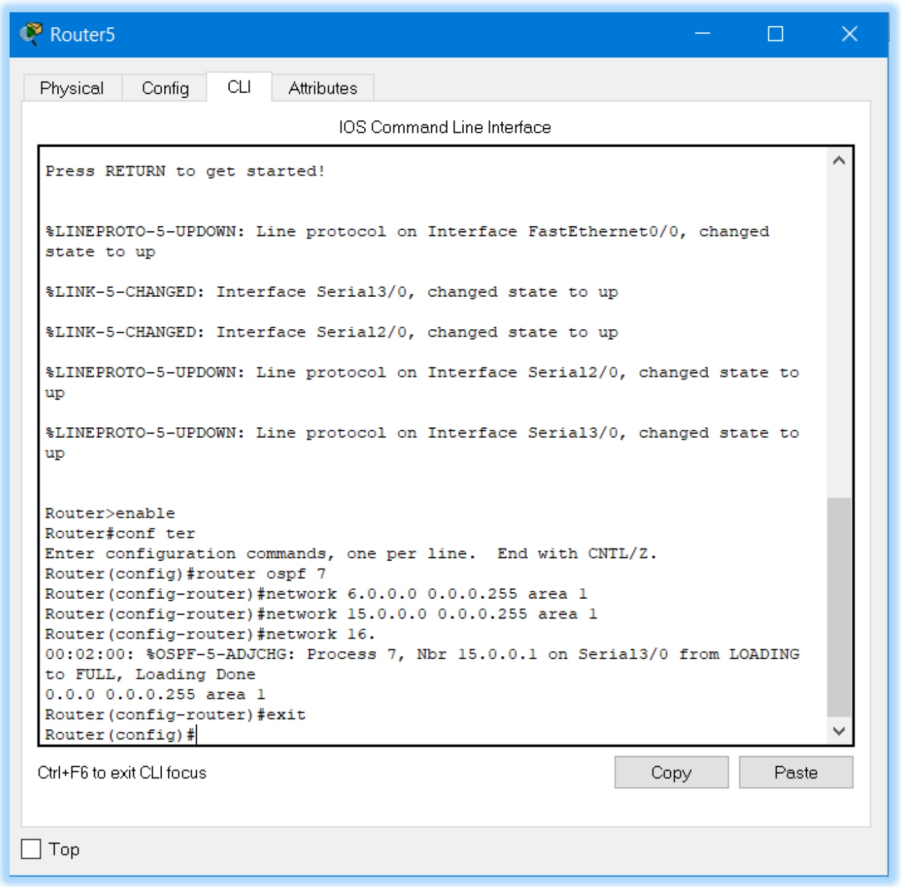
ASSIGNING THE IPs TO THE PCs



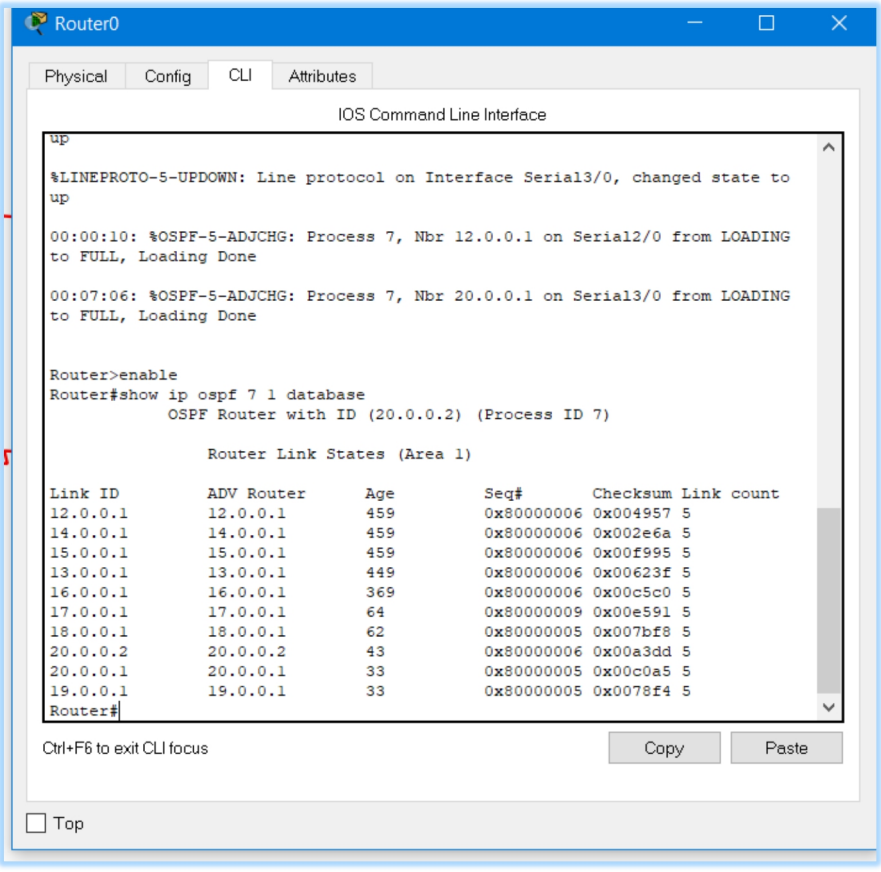
ASSIGNING IPs TO THE ROUTERs



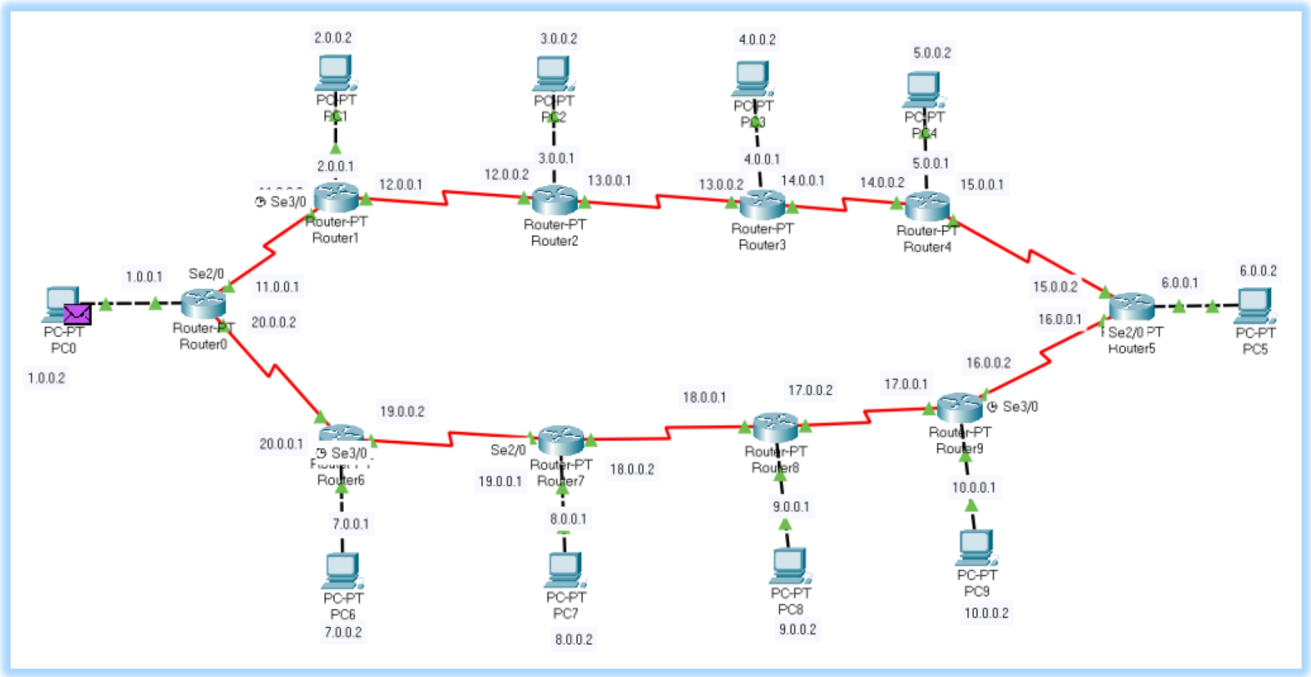
ASSIGNING THE OSPF PACKET FOR THE ROUTERS



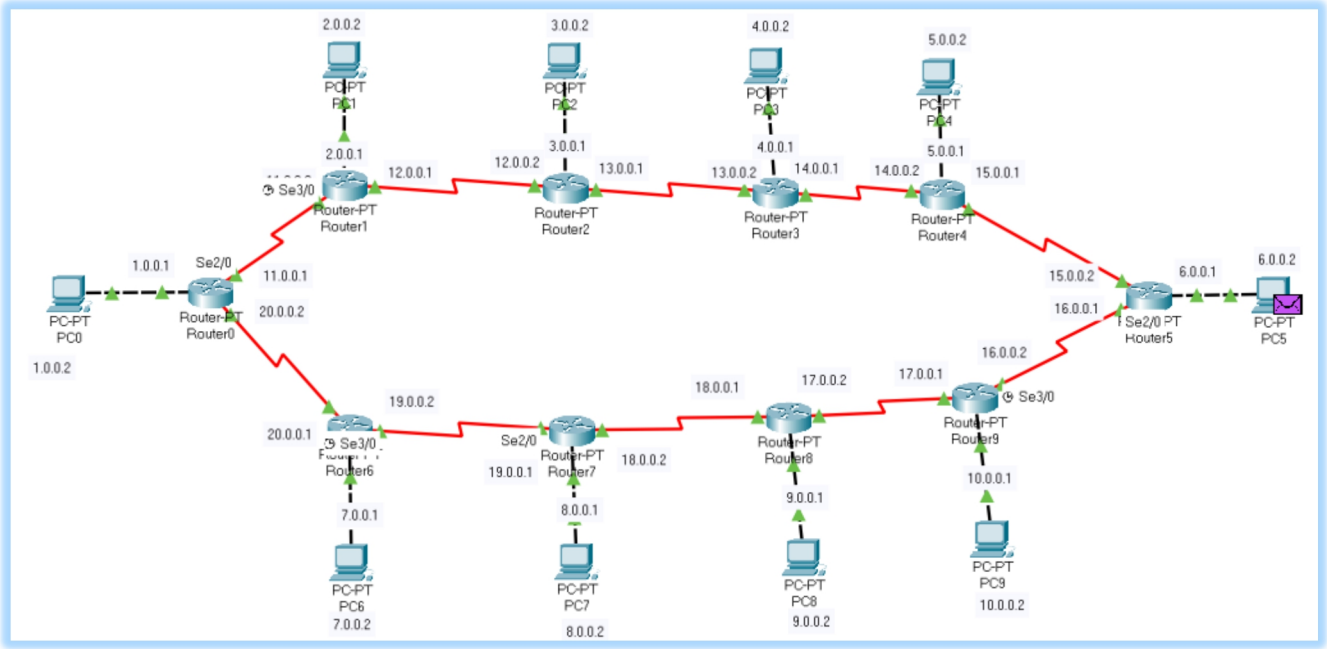
THE OSPF DATABASE AFTER COMPLETE ASSIGNMENTS



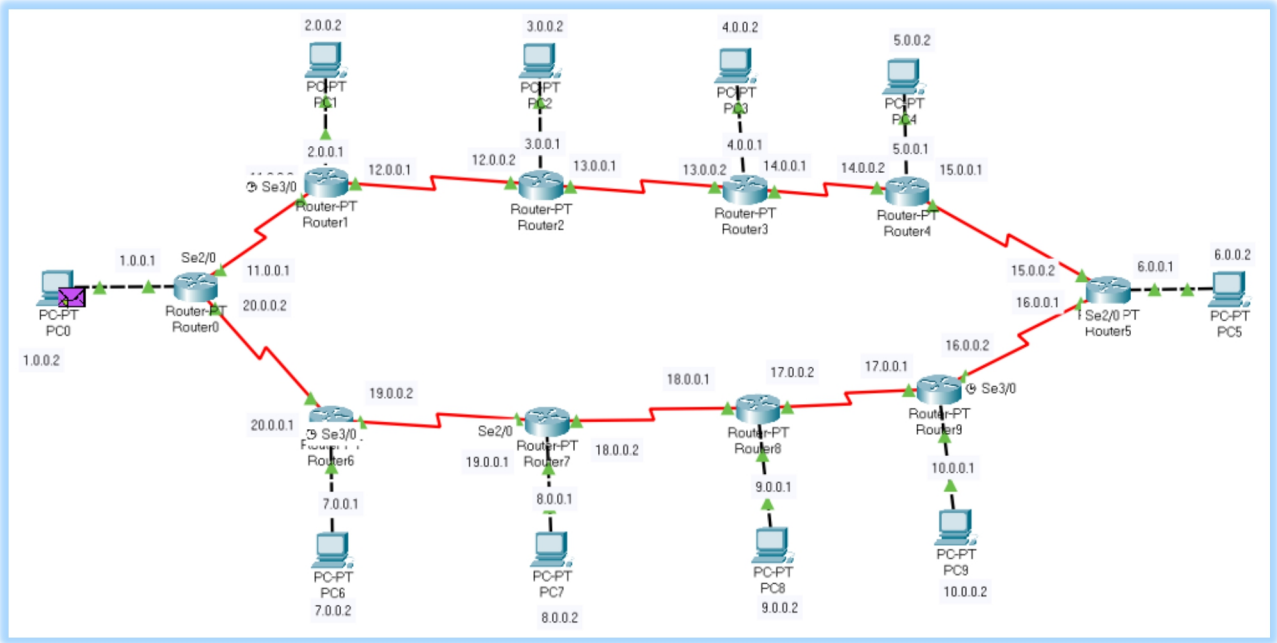
CREATE A PACKET



PACKET REACHES THE DESTINATION



SUCCESSFUL PACKET TRANSMISSION



STEPS INVOLVED IN PACKET TRANSMISSION

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	–	PC0	ICMP
	0.001	PC0	Router0	ICMP
	0.002	Router0	Router6	ICMP
	0.003	Router6	Router7	ICMP
	0.004	Router7	Router8	ICMP
	0.005	Router8	Router9	ICMP
	0.006	Router9	Router5	ICMP
	0.007	Router5	PC5	ICMP
	0.008	PC5	Router5	ICMP
	0.009	Router5	Router4	ICMP
	0.010	Router4	Router3	ICMP
	0.011	Router3	Router2	ICMP
	0.012	Router2	Router1	ICMP
	0.013	Router1	Router0	ICMP
	0.014	Router0	PC0	ICMP

IP TABLE FOR THE TOPOLOGY

Devices	Interface	IP address
Router 0	Se2/0	11.0.0.1
	Se3/0	20.0.0.2
Router1	Se2/0	12.0.0.1
	Se3/0	11.0.0.2
Router 2	Se2/0	13.0.0.1
	Se3/0	12.0.0.2
Router 3	Se2/0	14.0.0.1
	Se3/0	13.0.0.2
Router 4	Se2/0	15.0.0.1
	Se3/0	14.0.0.2
Router 5	Se2/0	16.0.0.1
	Se3/0	15.0.0.2
Router 6	Se2/0	20.0.0.1
	Se3/0	19.0.0.2
Router 7	Se2/0	19.0.0.1
	Se3/0	18.0.0.2
Router 8	Se2/0	18.0.0.1
	Se3/0	17.0.0.2
Router 9	Se2/0	17.0.0.1
	Se3/0	16.0.0.2

PC0	Fa0/0	1.0.0.2
PC1	Fa0/0	2.0.0.2
PC2	Fa0/0	3.0.0.2
PC3	Fa0/0	4.0.0.2
PC4	Fa0/0	5.0.0.2
PC5	Fa0/0	6.0.0.2
PC6	Fa0/0	7.0.0.2
PC7	Fa0/0	8.0.0.2
PC8	Fa0/0	9.0.0.2
PC9	Fa0/0	10.0.0.2