COMPUTER NETWORKS

EXPERIMENT – 10

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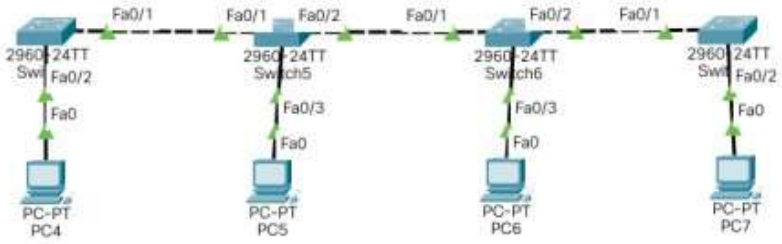
Batch: B2
Computer Engineering

AIM: Create different networking topologies in packet tracer.

NETWORK TOPOLOGIES:

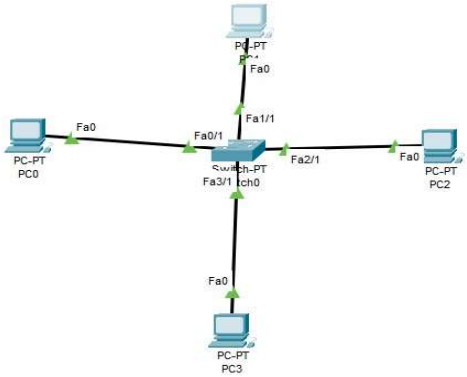
1. **BUS:**

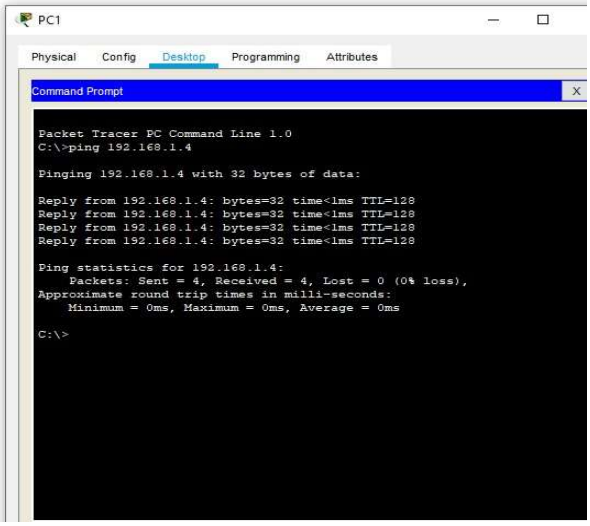
   Packet tracer output:



2. **STAR**

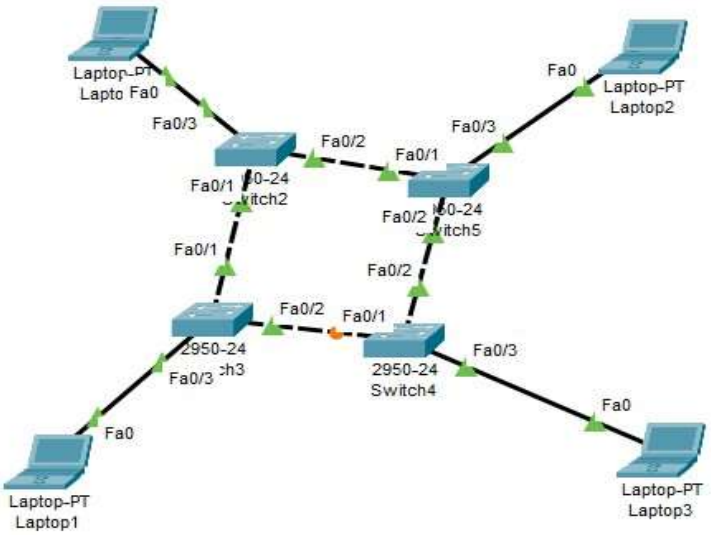
   Packet tracer output:

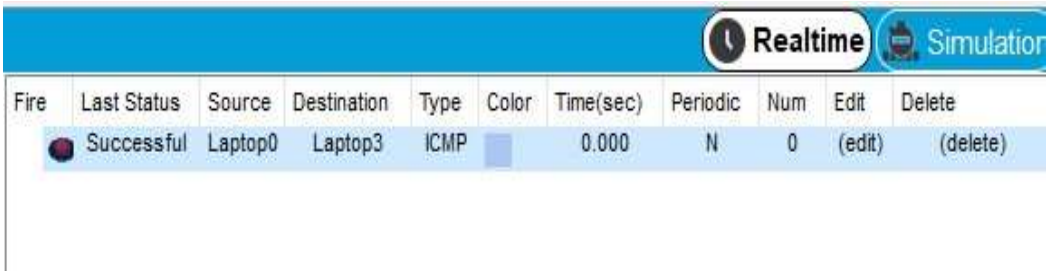




3. RING:

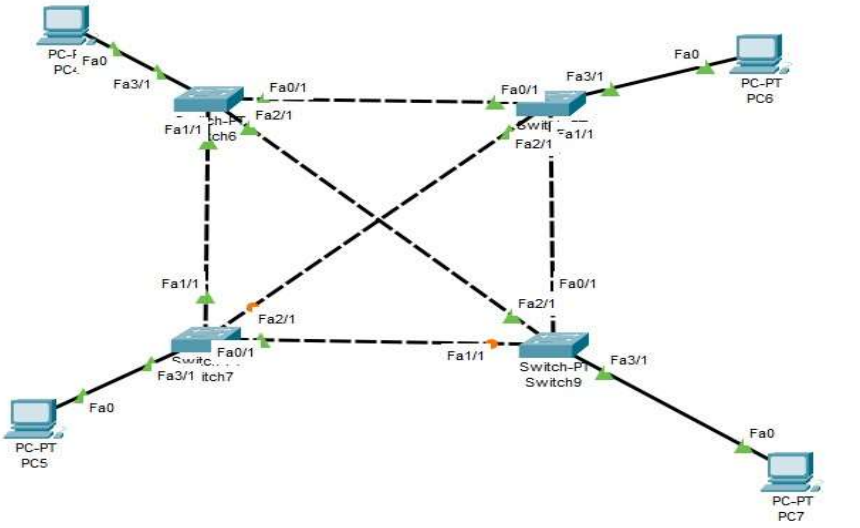
Packet tracer output:





4. **MESH:**

Packet tracer output:



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC4	PC7	ICMP		0.000	N	0	(edit)	(delete)

Conclusion:

Cisco packet tracer is one such network simulation software which helps create various different topologies and test out networks. It also provides the ability to see what occurs to a packet at every layer. What information is being passed, what protocol is being used, what are the sender's and receiver's details. It is important to be able to simulate networks before applying them to the actual environment.