21BDS0340

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Computer networks Lab
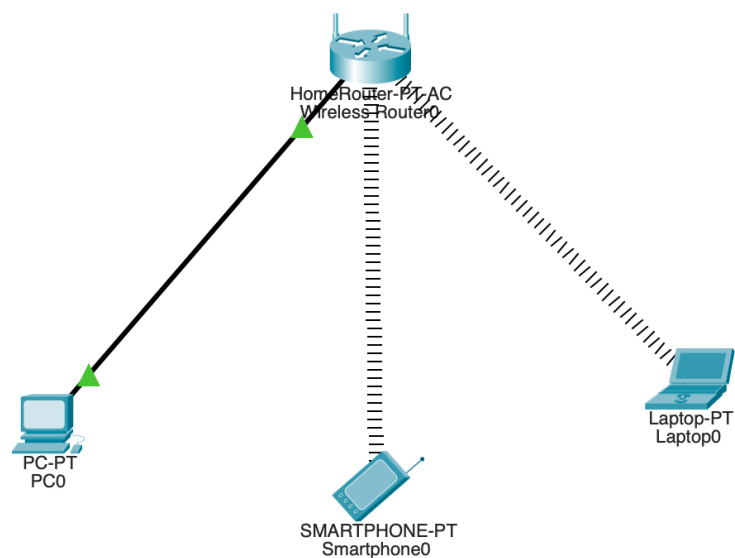
Assignment – II

Question 1

Requirements:
- Cisco Packet Tracer
- PC
- Smartphone
- Laptop
- Wireless Router
- Wiring

Topology:

HomeRouter-PT-AC
Wireless Router0

Laptop-PT
Laptop0

PC-PT
PC0

SMARTPHONE-PT
Smartphone0

The smartphone and laptops are connected wirelessly and will accept a dynamically assigned port (DHCP). The PC is a static IP address connected to the router with a wire.

Output:

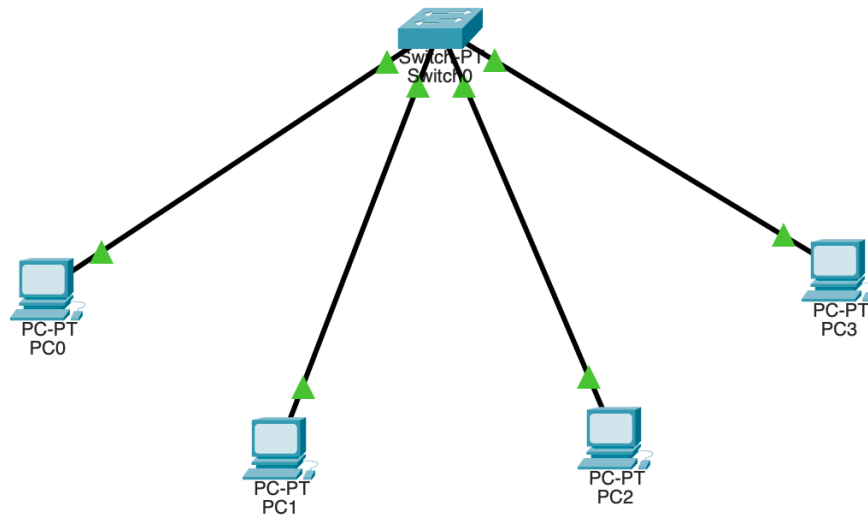| Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Smartph…	ICMP		0.000	N	0	(…	(delete)
	Successful	Smartphone0	Laptop0	ICMP		0.000	N	1	(…	(delete)
	Successful	Smartphone0	PC0	ICMP		0.000	N	2	(…	(delete)
	Successful	PC0	Laptop0	ICMP		0.000	N	3	(…	(delete)
	Successful	Laptop0	Smartph…	ICMP		0.000	N	4	(…	(delete)
	Successful	Laptop0	PC0	ICMP		0.000	N	5	(…	(delete)

From this screenshot, all the connections between the laptop, PC and smartphone are successful. Therefore, the wanted connection is functioning properly.

Question 2

Requirements:
- Cisco Packet Tracer
- PC
- Switch
- Wiring

Topology:

There are 4 PCs with IP address 192.168.0.1 – 192.168.0.4. These PCs are connected to each other with the bus topology implemented by a switch.

Output:

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC1	IC...		0.000	N	0	(...	(delete)
	Successful	PC0	PC2	IC...		0.000	N	1	(...	(delete)
	Successful	PC0	PC3	IC...		0.000	N	2	(...	(delete)
	Successful	PC1	PC2	IC...		0.000	N	3	(...	(delete)
	Successful	PC1	PC3	IC...		0.000	N	4	(...	(delete)
	Successful	PC2	PC3	IC...		0.000	N	5	(...	(delete)