VENKATESHA PRASADA CH

1BM18CS124

Exp - 1   Venkatesha Prasada
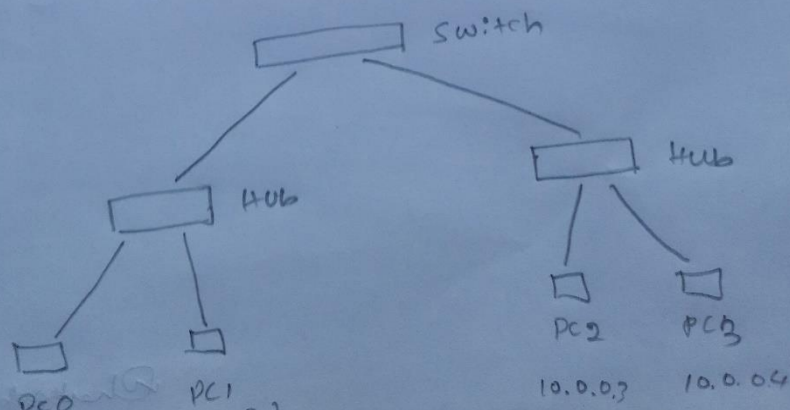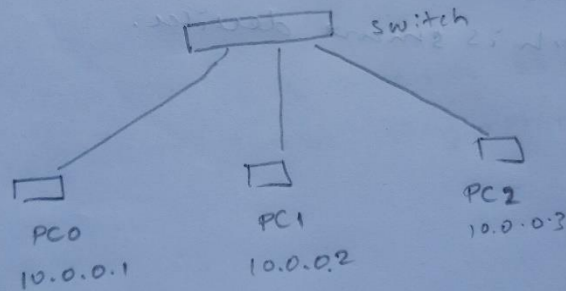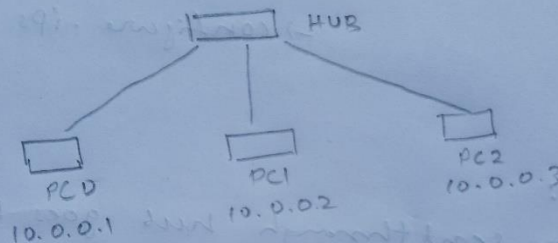
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Question :   Demonstrate working of switch, Hub

Aim :   Learn basics of network & connection

Topology :

HUB — PC0 (10.0.0.1), PC1 (10.0.0.2), PC2 (10.0.0.3)

switch — PC0 (10.0.0.1), PC1 (10.0.0.2), PC2 (10.0.0.3)

Switch — HUB [PC0, PC1], HUB [PC2 (10.0.0.3), PC3 (10.0.04)]

Procedure: for Hub → connect the computers to hub.
→ set ip address of computers

for switch → connect the computers to switch
configure ip address.

for switch-Hub-PC → connect pc's to hub.
→ connect hubs to switch
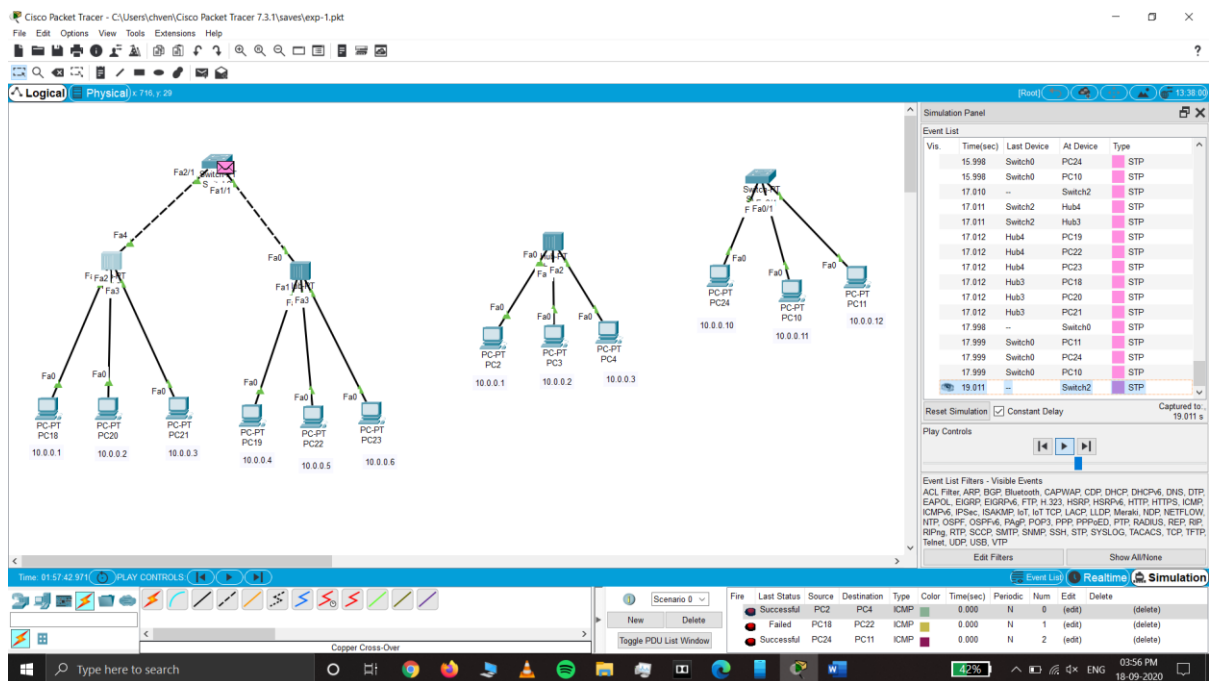→ configure ips of PC

Observation:
→ Message sent through hub goes to every node
→ Message sent through switch reaches specified
destination.
→ switch is smart device.

Checked

SCREENSHOTS :

TOPOLOGY:

Fa2/1 Switch-PT
        Switch2
            Fa1/1

Fa4

Fa Fa2 -PT
    Fa3

Fa0

                                                Fa0

                                            Fa1 Lub-PT

                                                F Fa3

Fa0   Fa0   Fa0

                    Fa0   Fa0
                                                                        Fa0

PC-PT   PC-PT   PC-PT   PC-PT   PC-PT   PC-PT
PC18   PC20   PC21   PC19   PC22   PC23

10.0.0.1   10.0.0.2   10.0.0.3   10.0.0.4   10.0.0.5   10.0.0.6