



EX.6

PACKET TRACER BASICS

DATE: 02/01/17

AIM: To simulate basic networking configurations using Cisco Packet Tracer.

PROCEDURE:

1. Connecting 2 PC's using Router

GUI Method:

1. Open Cisco Packet Tracer.
2. Drag and drop 1 Router and 2 PC's from the bottom pane.
3. Use Crossover cable to connect the Router with PC's.
4. Go to PC -> Desktop -> IP address
5. Enter the IP address for both the PC connected in different networks.
6. Go to Router -> Config -> FastEthernet Ports
7. Enter the IP address for the Router.
8. Click-on the ON button in FastEthernet Ports.

CLI Method:

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.1.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 192.168.2.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
```

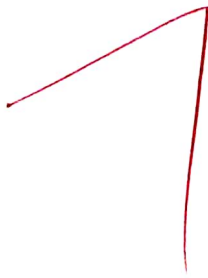


2. Connecting 2 PC's using Switch

1. Open Cisco Packet Tracer.
2. Drag and drop 1 Switch and 2 PC's from the bottom pane.
3. Use Straight Through cable to connect the Switch with PC's.
4. Go to PC -> Desktop -> IP address
5. Enter the IP address for both the PC connected with the Switch.

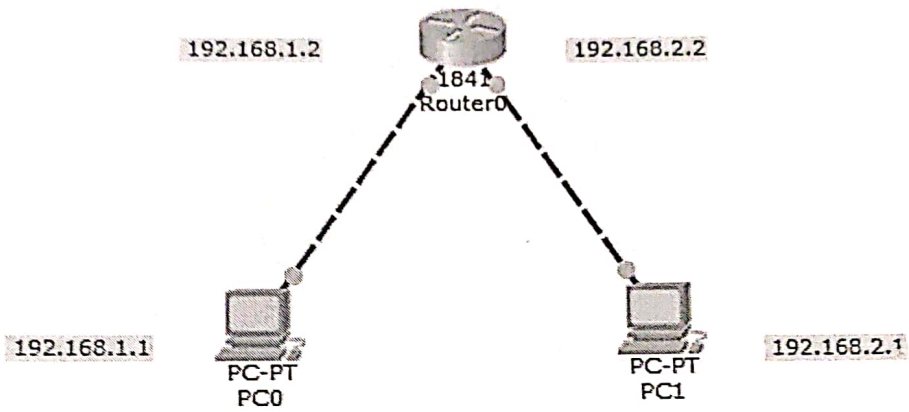
3. Connecting 2 PC's using Hub

1. Open Cisco Packet Tracer.
2. Drag and drop 1 Hub and 2 PC's from the bottom pane.
3. Use Straight Through cable to connect the Hub with PC's.
4. Go to PC -> Desktop -> IP address
5. Enter the IP address for both the PC connected with the Hub.

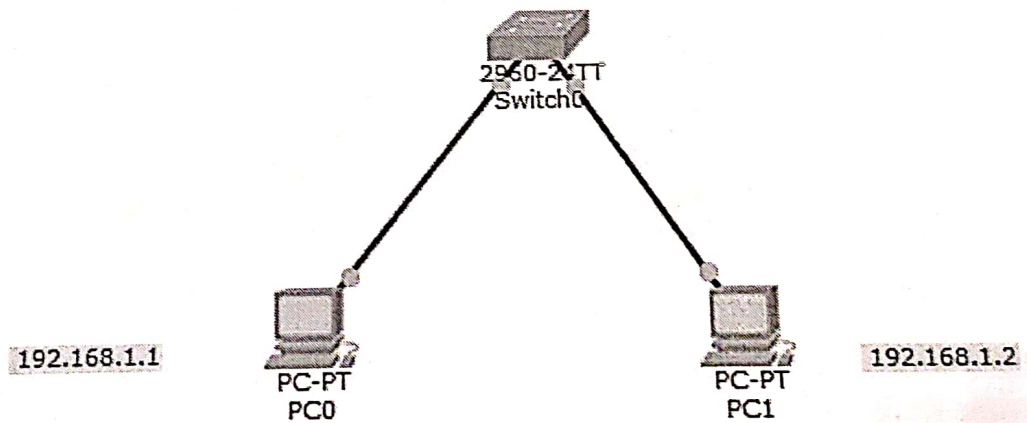


DESIGN:

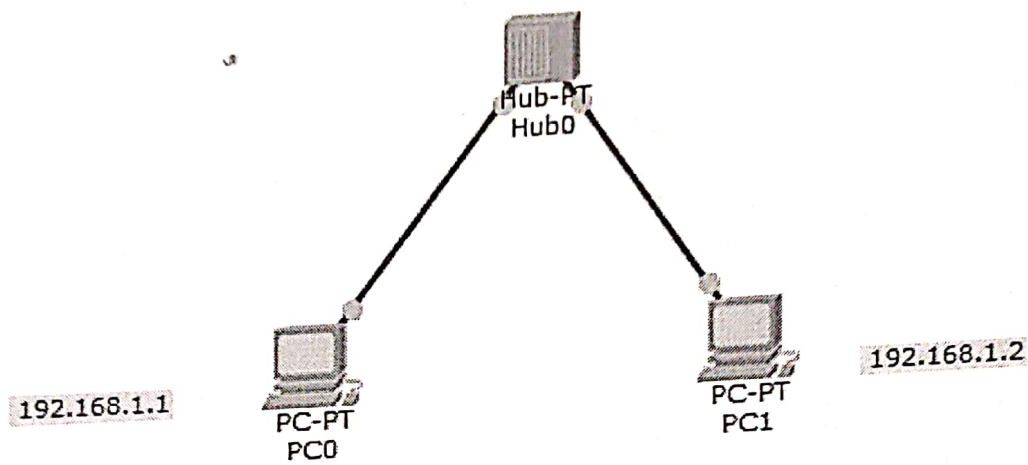
2 PC's with Router:



2 PC's with Switch:

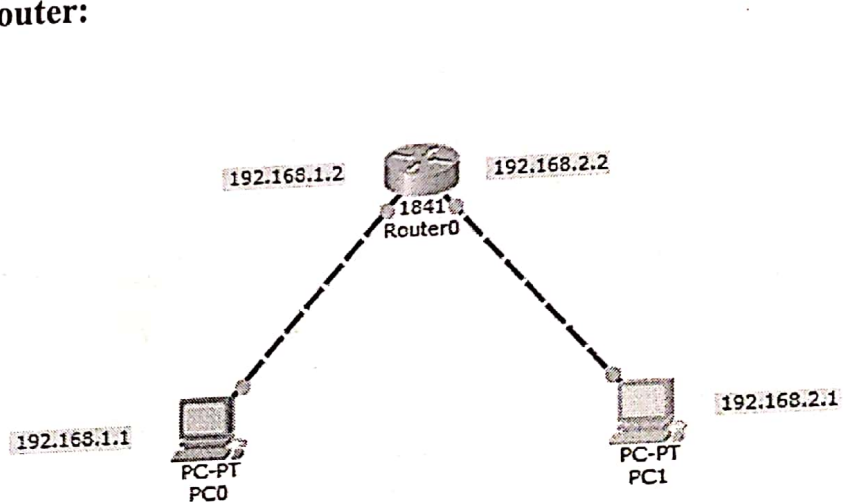


2 PC's with Hub:



OUTPUT:

2 PC's with Router:



Realtime

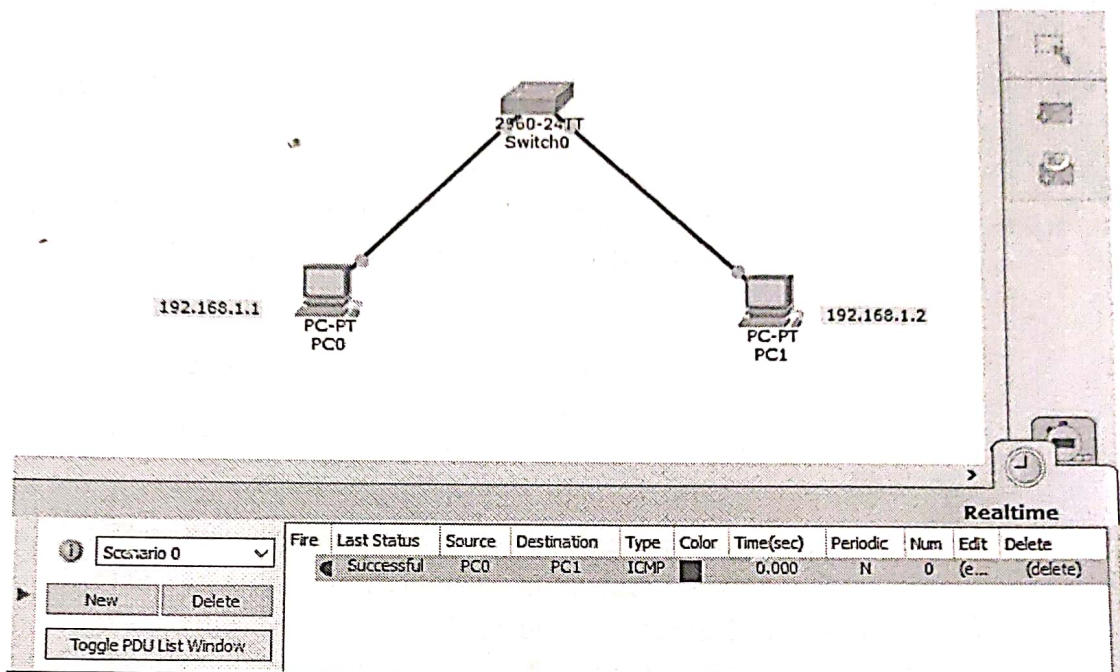
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC0	PC1	ICMP		0.000	N	0	(e...)	(delete)	
Successful	PC1	PC0	ICMP		0.000	N	1	(e...)	(delete)	

Scenario 0

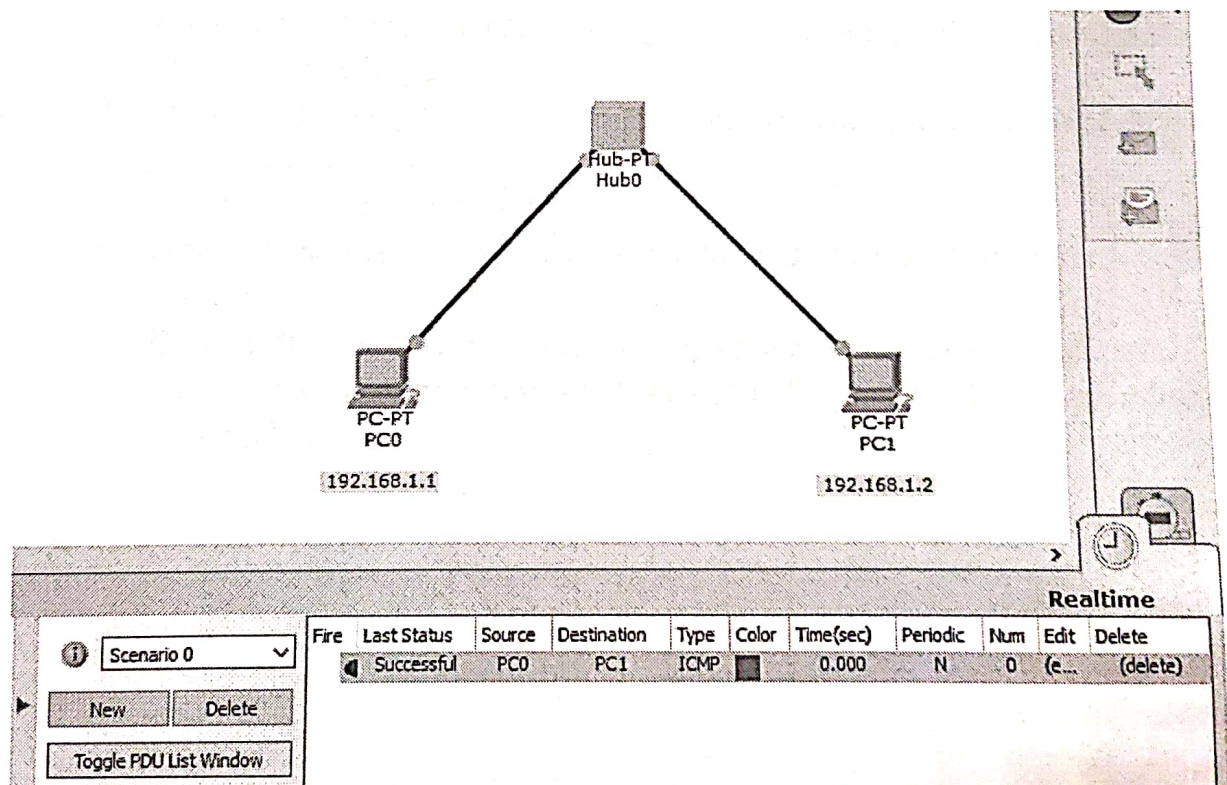
New Delete

Toggle PDU List Window

2 PC's with Switch:



2 PC's with Hub:



RESULT: The simulation of static and default routing has been successfully configured and the output is verified.