Experiment No: - 06

Experiment Name:- Introduction to RIP version-01 on Packet Tracers.

Aim: The aim of this report is to understand and implement the simple RIP network using Cisco Packet Tracer.

Objectives:

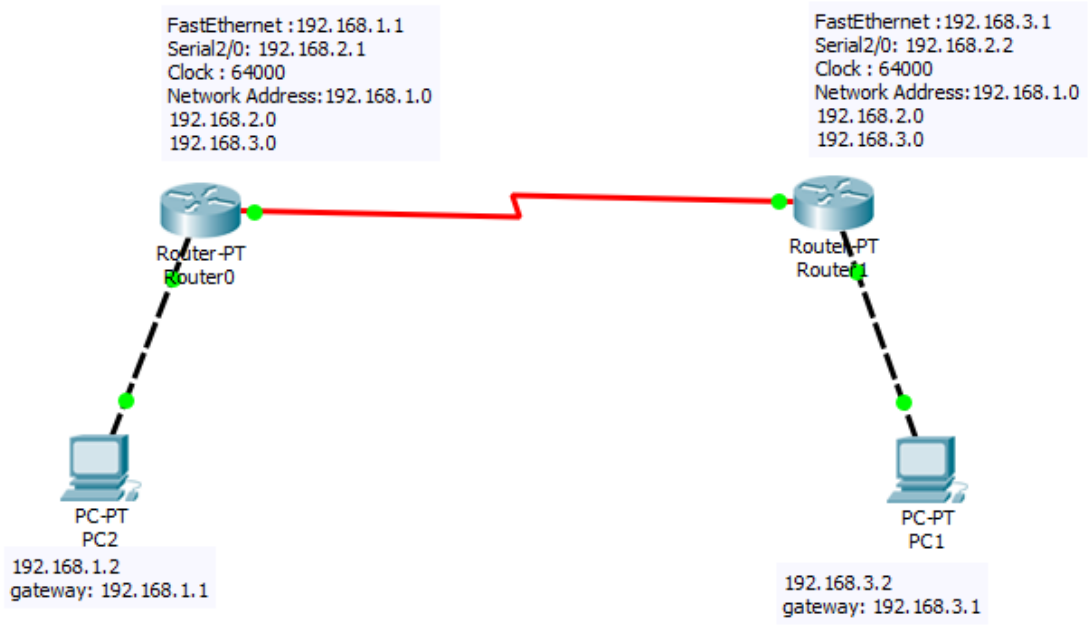
- To learn about Cisco Packet Tracer.
- To learn the principles of networking as well as develop Cisco technology specific skills.
- To implement a simple RIP network using Cisco Packet Tracer.

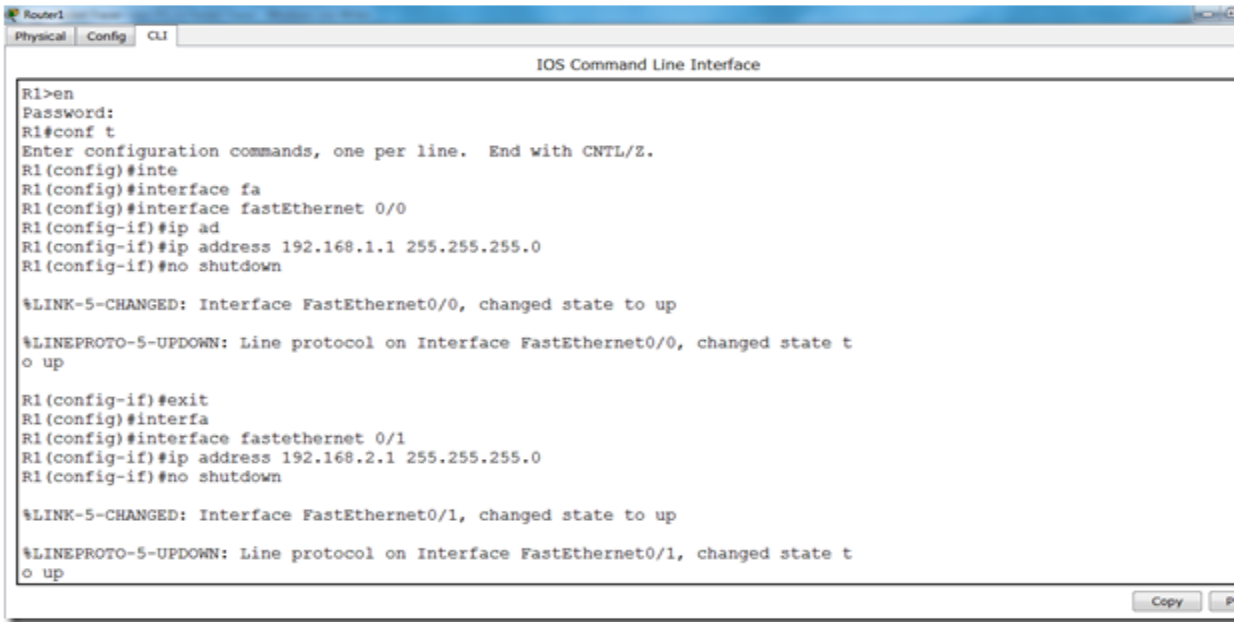
Working Procedure:

At first we set two router. Then set a router and connect two PC's in Cisco Packet Tracer and connect those devices using cross cable.

- Connect the cross copper wire between router and PCs.
- Select FastEthernet 0/0 and FastEthernet 0/1.
- Set Interface FastEthernet 0/0 IP(gateway) = 192.168.1.1,serial 0/2: 192.168.2.1 and FastEthernet 0/0 IP(gateway) = 192.168.3.1,serial 0/2: 192.168.2.2 and set PC0 IP=192.168.1.2 and PC1 IP = 192.168.3.2 with their corresponding gateway and clock=64000.

Figure:-





Output:-

Successful	PC1	PC2	ICMP		0.000	N	8
Successful	PC2	PC1	ICMP		0.000	N	9
Successful	PC1	PC2	ICMP		0.000	N	10

Description: After design this protocol in Cisco packet tracer's workspace. We have set the internet protocol address (IP) at PC1, PC2. Then the protocol will be prepared for required communication via a switch.

Conclusion: From this discussion, we have learned that Packet Tracer is a powerful network simulator that can be utilized in training experience troubleshooting without having to buy real Cisco routers or switches. In this report we tried best to understand about Cisco Packet Tracer and represent the simple network using it.