PRACTICAL-8

Create topology having 2 switch, 1 Router and 5 Host where router port is configured though Cisco Packet Tracer's Wizard.
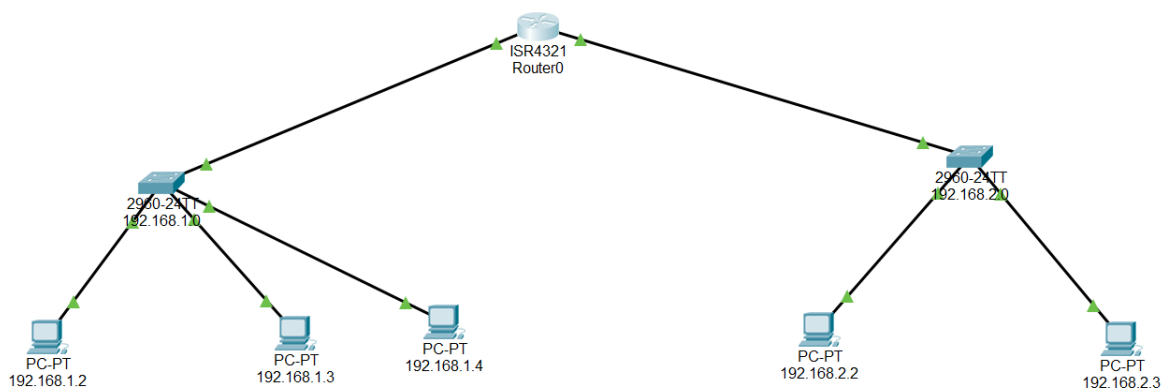
AIM:

Static routing configuration using Cisco Packet Tracer

PRACTICAL/STEPS:

- Take 5 Host and configure their respective IP address.
- Then take two switches.
- To one switch connect 3 hosts and to other connect the remaining with the wires.
- Configure the Switch name and wait for 10-15 seconds so that switch and hosts establish connections.
- Then run ping tests to check if the switch and hosts are properly working.
- Then take one router.
- Connect the router with the two switches with the wires.
- Then do the necessary IP configuration in the router so it acts as a gateway for the switches.
- Then set the default gateway in all the hosts and check if the topology is working or not.

OUTPUT:

PING test for switch-1(192.168.1.0)   PING test for switch-2(192.168.2.0)

```
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Reply from 192.168.2.2: bytes=32 time=11ms TTL=127
Reply from 192.168.2.2: bytes=32 time=16ms TTL=127
Reply from 192.168.2.2: bytes=32 time=16ms TTL=127
Reply from 192.168.2.2: bytes=32 time=23ms TTL=127

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 23ms, Average = 16ms
```

PING test to check if router works as a gateway

CONCLUSION:

Thus, above shown is the procedure to connect devices to switch and to the routers using CISCO packet tracer.