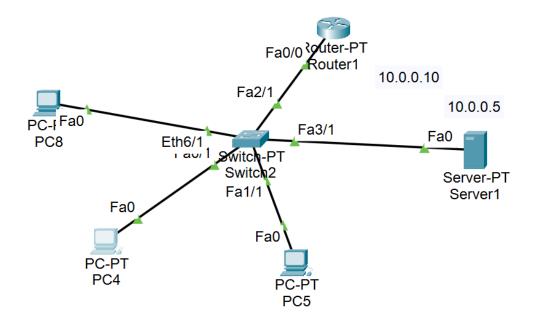
QUESTION: Configure DHCP withing a LAN In packet tracer

AIM: To automatically assign IP addresses to PC's in a network LAN by using a DHCP Server

1BM 18CS12 Exp-5 Question: Configure Dot Chuithon a LAN in packet traces Alon: To automatically assign I Paddly to PC's and network LAN by using a DMCP Sewy topology! Router 10.0.0.10 Faolo 10.0.05 Fal Fa311 Fao C+n6/1/ PC8 Fa1/1 DHCP Eao tao Server PCH PC 5

VARAD ITTHAT Procedure: 5122 180118CS122 1) Connect all the Pc's to a Switch 27 comed all the DHCP sown to the Switch. 3) configure the router's Protegace. 4) configue tu DHCP Sower! -57 Set defaut getewat, DNS gener, integace, IRV4 , TFTP Sewa 6) Two on DMCP , Save Schirgs 7) PC> Desktop) IP config > 15H Cp Observation: -1) The DHCA sewar assigns If address or tothe PC's Adomatically from the given Start, IP gronge 2) If DHCP isn's configured properly, then the PC's use APIPA protocol to set IP

TOPOLOGY:



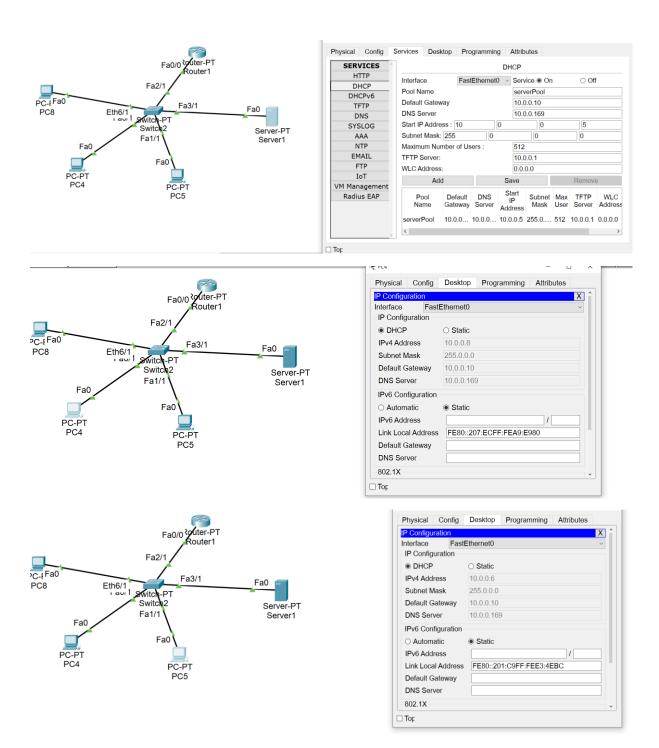
PROCEDURE:

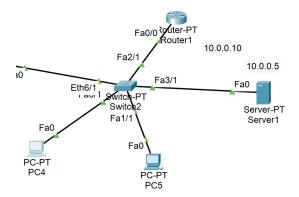
- 1. Connect all the PC's and to a switch
- 2. Connect the DHCP Server to the switch
- 3. Configure the router's interface
- Configure DHCP server,
 Set Default gateway, DNS Server, Interface IPv4, TFTP Server
- 6. Turn on DHCP, Save Settings
- 7. PC>Desktop>IP Configuration > DHCP

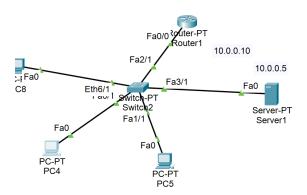
OBSERVATION:

- 1. The DHCP server assigns IP addresses to the Pc's Automatically from the given starting IP
- 2. If DHCP isn't configured properly, then the PC's use APIPA protocol to set IP addresses

SCREENSHOTS:







```
Physical Config Desklop Programming Attributes

Command Prompt

(0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 10.0.0.5

Finging 10.0.0.5 with 32 bytes of data:

Reply from 10.0.0.5: bytes=32 time=1ms TTL=128

Reply from 10.0.0.5: bytes=32 time<1ms TTL=128

Ping statistics for 10.0.0.5:

Packets: Sent = 4, Received = 4, Lost = 0
(0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```