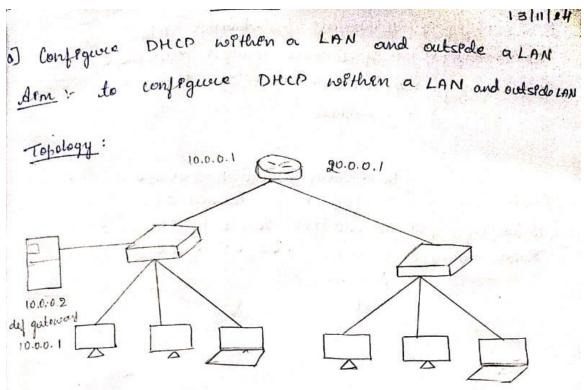
PROGRAM4: Configure DHCP within a LAN and outside LAN. OBSERVATION:



Procedure:

- 1: Select a Switch forom devece typo selection.
- 2. odd Bend deveces on woodkbench and one seawer.
- 3. connect out the to switch through copper strangent through could.
- 4. Répeat same topology le set other netwood without
- 5. Place on switten on wordstrench and connoct & crostelus to 9t.
- * In comout:

Let IP oddrers 10.0.0.1 later let IP oddrers 10.0.0.2 (for a switches set). Defaut gatemony: 10.0.0.1

Router Configuration:

Router # confry termenol

Router (confeq = if) # Interface forstetherenet #10

Router (confeq Pf) # ip odderers 10.0.0.1 255.0.0.0

Router (confeq I) # Ip helper-odderers 40.0.0.2

noshut
ont

Router (config-i) # # Interface fastethemet 0/0
Router (config-i) # Ip oddress 20.0.0.1 255.0.0.0
Router (config-i) # Ip hupen - oddress 10.0.0.2
ho shut
crit.

Skyliny

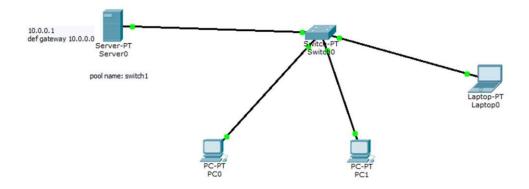
Observation !-

ping 10.0.0.4

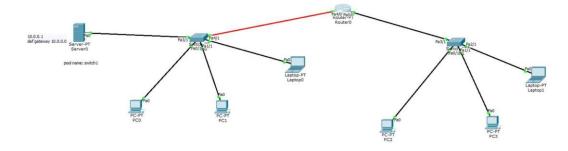
parkets: sent=4, Rocaned=4, Lost=0

TOPOLOGY:

Within lan



Outside lan



OUTPUT:

```
Physical Config Desktop Custom Interface

Command Prompt

Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.4 with 32 bytes of data:

Reply from 10.0.0.4: bytes=32 time=0ms TTL=128

Ping statistics for 10.0.0.4:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

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

PC>ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes=32 time=0ms TTL=128

Ping statistics for 10.0.0.3:

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