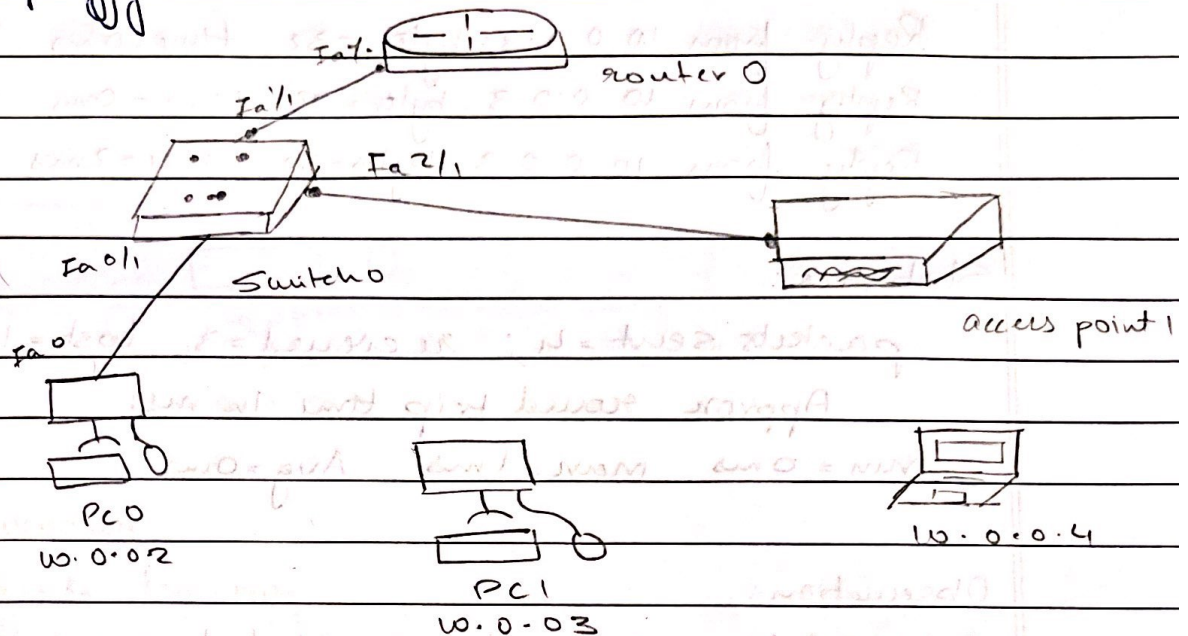


Program-11

Aim: To construct a WLAN and make nodes communication wirelessly.

Topology :



Procedure.

Construct topology

Configure PC & router 0 as normally done

- Configure access point 1 - port 1 → SSID Name - WLAN
- Select LOEP & give any 10 digit hex key - 0123456
- Configure PC1 & laptop
- Switch off device, drag the existing PT-HOST-NM-IAM to the component list in LMS. drag WMP300N wireless interface
- Ping from every device to every other devices.

Ping Output:

Packet tracer PC Command Line 1.0

PC > Ping 10.0.0.3

Pinging 10.0.0.3 with 32 byte of data

Request time out;

Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 127

Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 127

Reply from 10.0.0.3 bytes = 32 time = 2ms TTL = 127

Statistics:

packets sent = 4; received = 3, lost = 1

Approx round trip time in ms:

min = 0ms, max = 1ms, Avg = 0ms

Observation:

- A WLAN is a group of connected devices
- Data sent in packets contain layers with labels
- The access point in the base station serves as a hub to which other stations are connected