PROGRAM-9

To demonstrate communication between two devices using a wireless LAN.
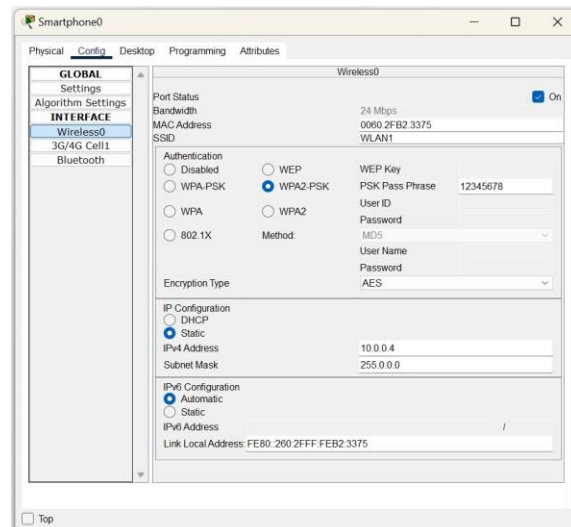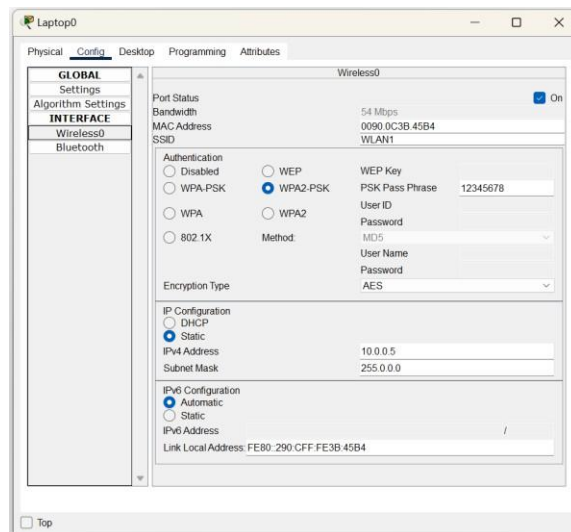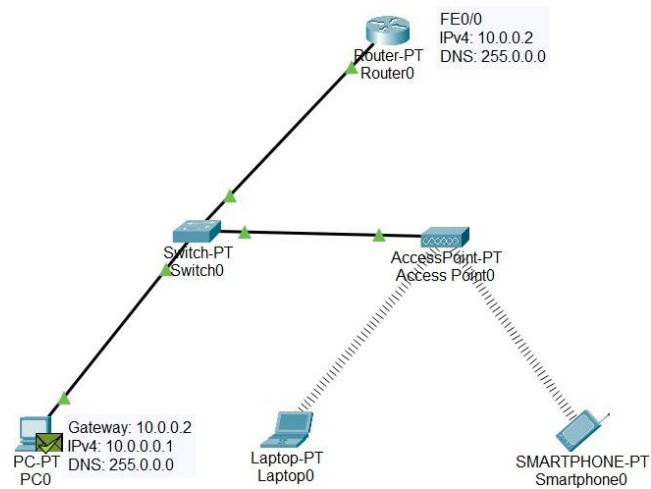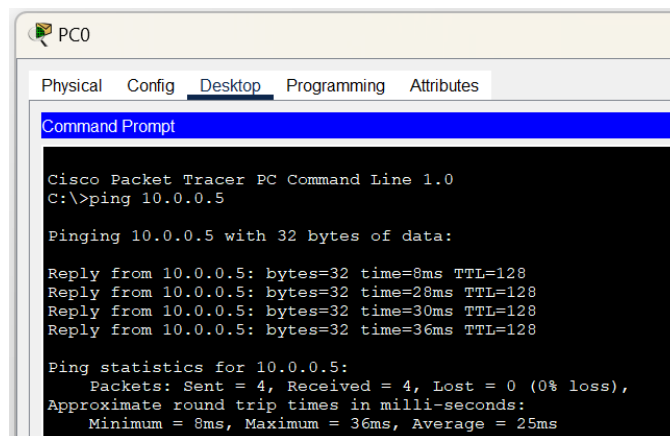
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Successful	PC0	Laptop0	ICMP	■	0.000	N	0	(edit)	

PC0

Physical   Config   Desktop   Programming   Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.5

Pinging 10.0.0.5 with 32 bytes of data:

Reply from 10.0.0.5: bytes=32 time=8ms TTL=128
Reply from 10.0.0.5: bytes=32 time=28ms TTL=128
Reply from 10.0.0.5: bytes=32 time=30ms TTL=128
Reply from 10.0.0.5: bytes=32 time=36ms 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 = 8ms, Maximum = 36ms, Average = 25ms
```

Date: 26/11/2024:

#). Aim :- To demonstrate communication between two devices using a wireless LAN.

→ SSID :- ⎫ configure there two for access point.
→ Password :- ⎭

Pc → 10.0.0.1
Router → 10.0.0.2
Laptop → 10.0.0.3

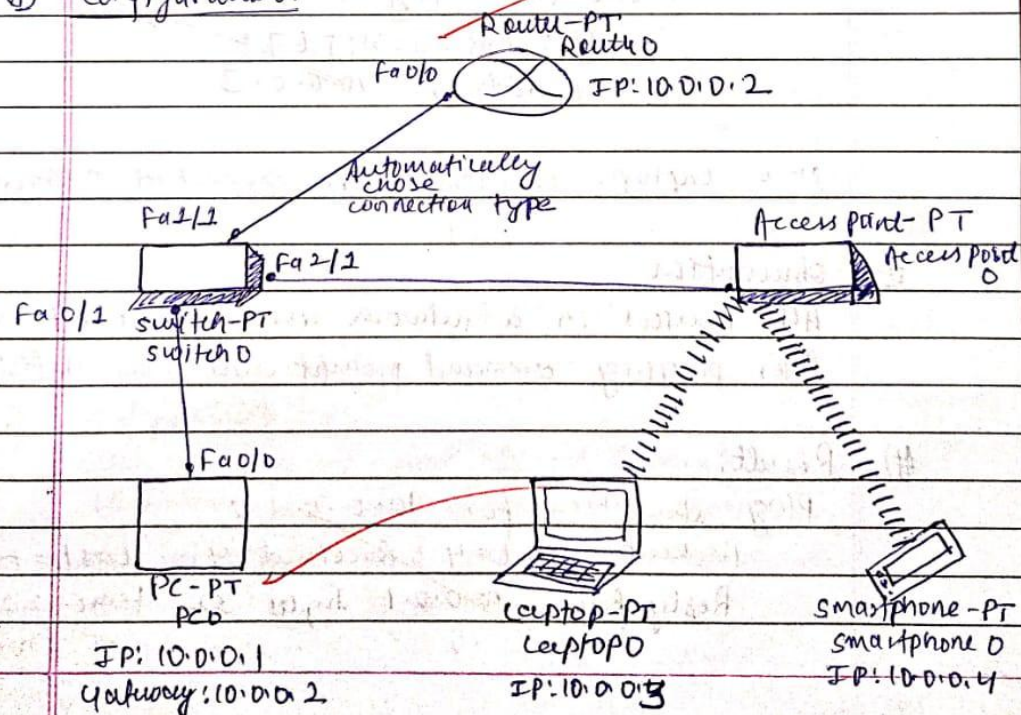Access point → Auto (Port 0)
Set Access Point → Port 1 ⟶ SSID (WLAN 1)
⟶ WPA2 - PSK
Password (min. 8 characters)

configure Laptop → remove wired access point and wireless port.

#). Configuration:

Router-PT
Router 0
Fa 0/0 ⊗ IP: 10.0.0.2

Automatically chose connection type

Fa 1/1

Access point-PT
Access point 0

Fa 2/1

Fa 0/1 switch-PT
switch 0

Fa 0/0

PC - PT
PC 0

IP: 10.0.0.1
Gateway: 10.0.0.2

Laptop-PT
Laptop 0

IP: 10.0.0.3

smartphone-PT
smartphone 0
IP: 10.0.0.4

#) Configuration steps:-

IP ⟵ →yateway.

configure PC, router → IP

- Configure Access point- PT

Port 0: Bandwidth ⎫ choose Auto
Duplex ⎭

Port 1: SSID → WLAN1
WPA2-PSK : 12345678

- Configure Smartphone: wireless0

SSID: WLAN1 ⎱ set IP address as
WPA2PSK: 12345678 ⎰ of same network.

- Configure Laptop: for setting wireless port remove
wired port after switching off the laptop.
→ Add wireless connection to laptop.
→ click on config → wireless 0 → SSID: WLAN
WPA 2-PSK: 12345678
IP address: 10.0.0.3

Now Laptop, smartphone are connected to AccessPoint

#) Observation:
All devices in a network are connected to each other
After pinging command prompt will show statistics

#)- Result:
Ping statistics for 10.0.0.1:
Packet: Sent = 4 ; Received = 4; Lost = 0
Reply from 10.0.0.1 bytes = 32 time = 22ms.
,, ,, ,, ,, =10ms.