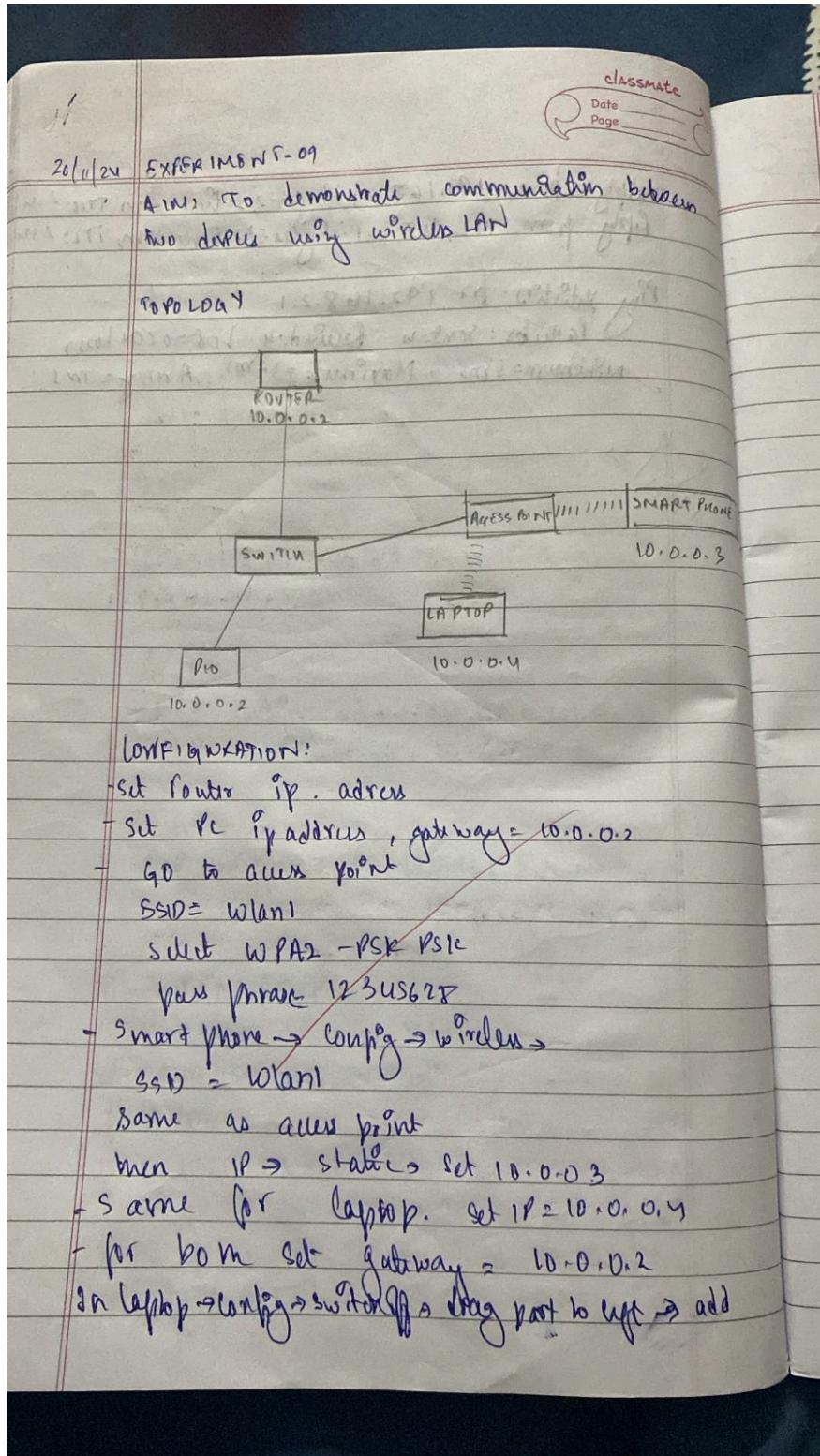
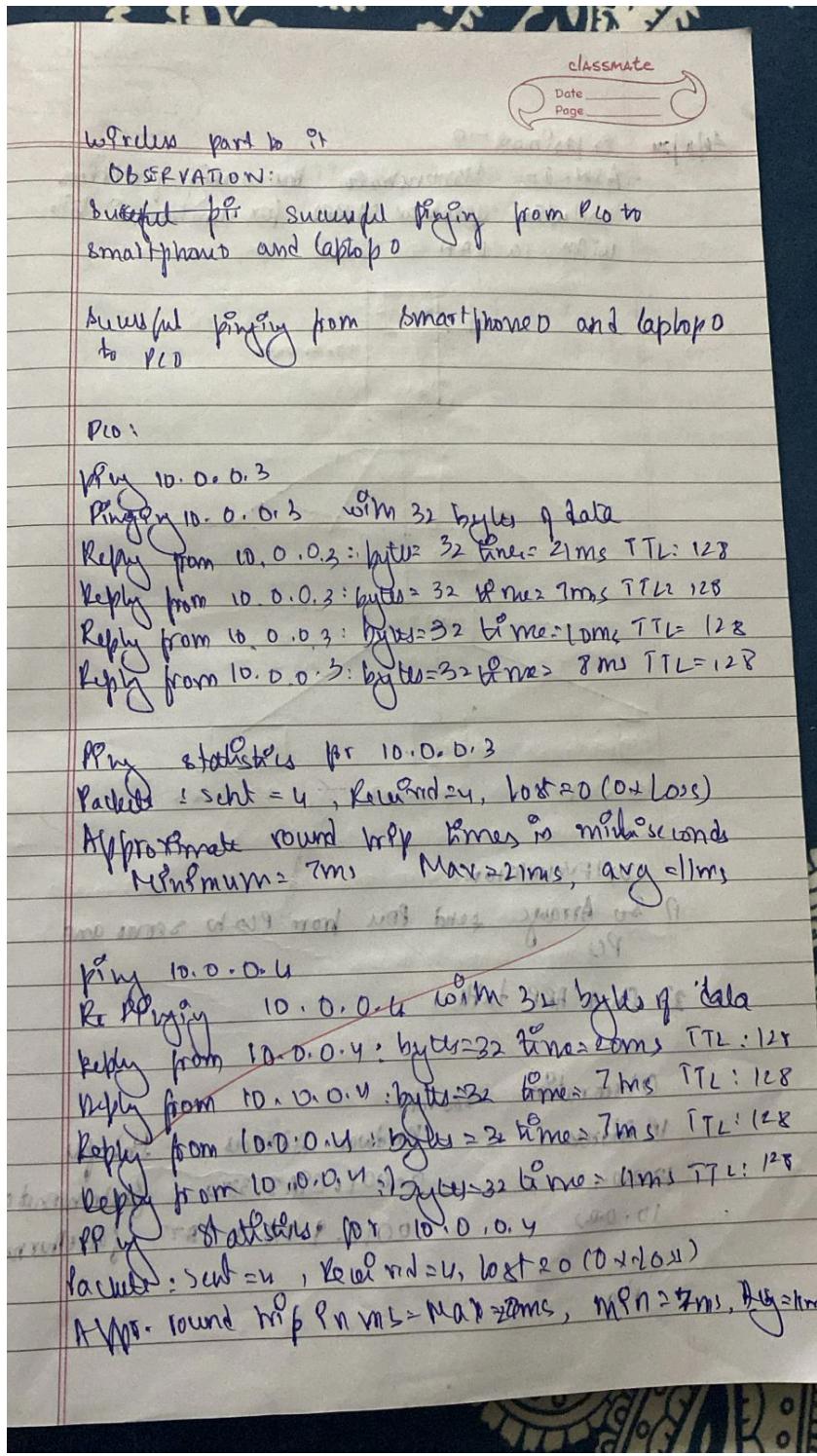


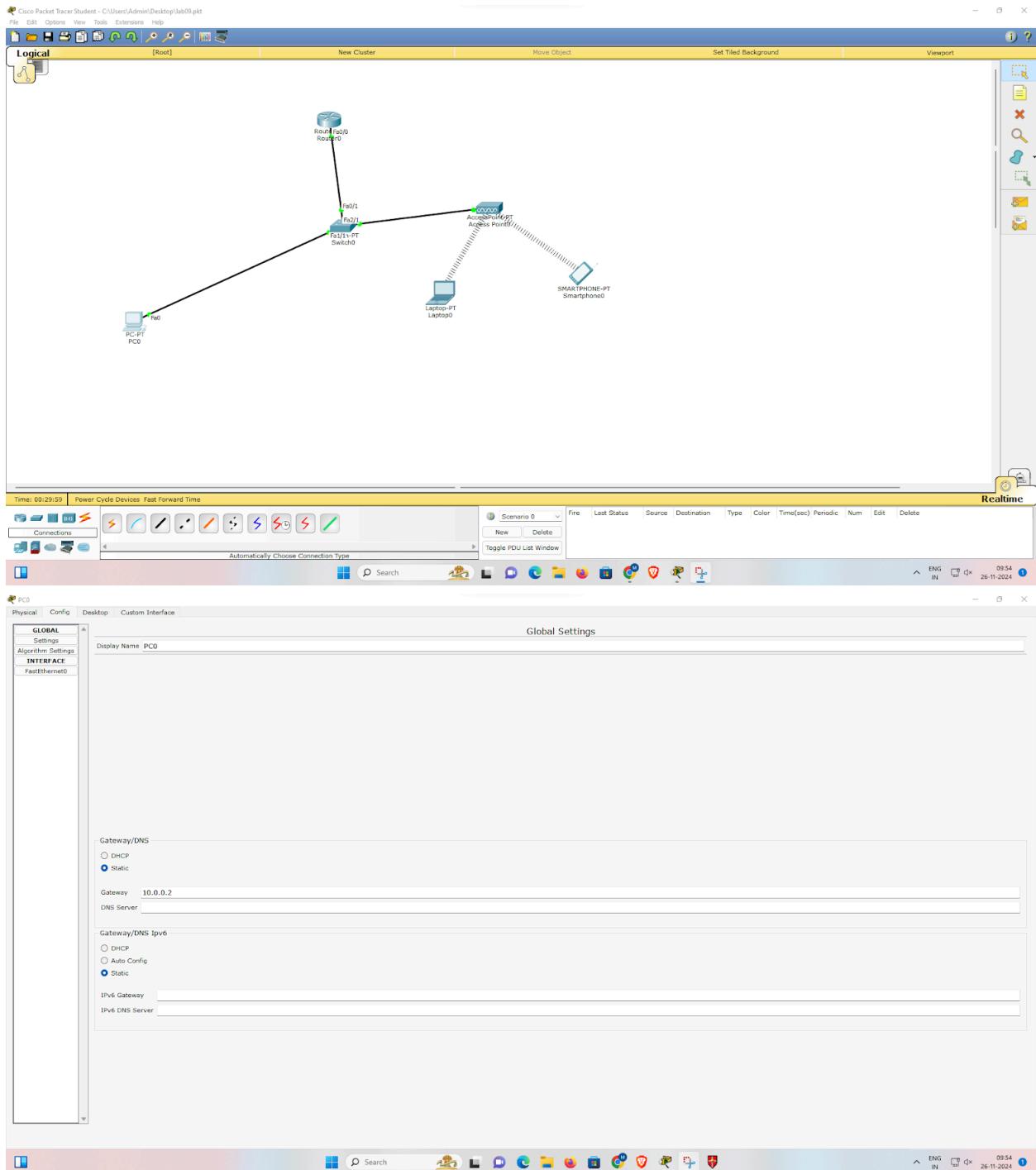
Program 9

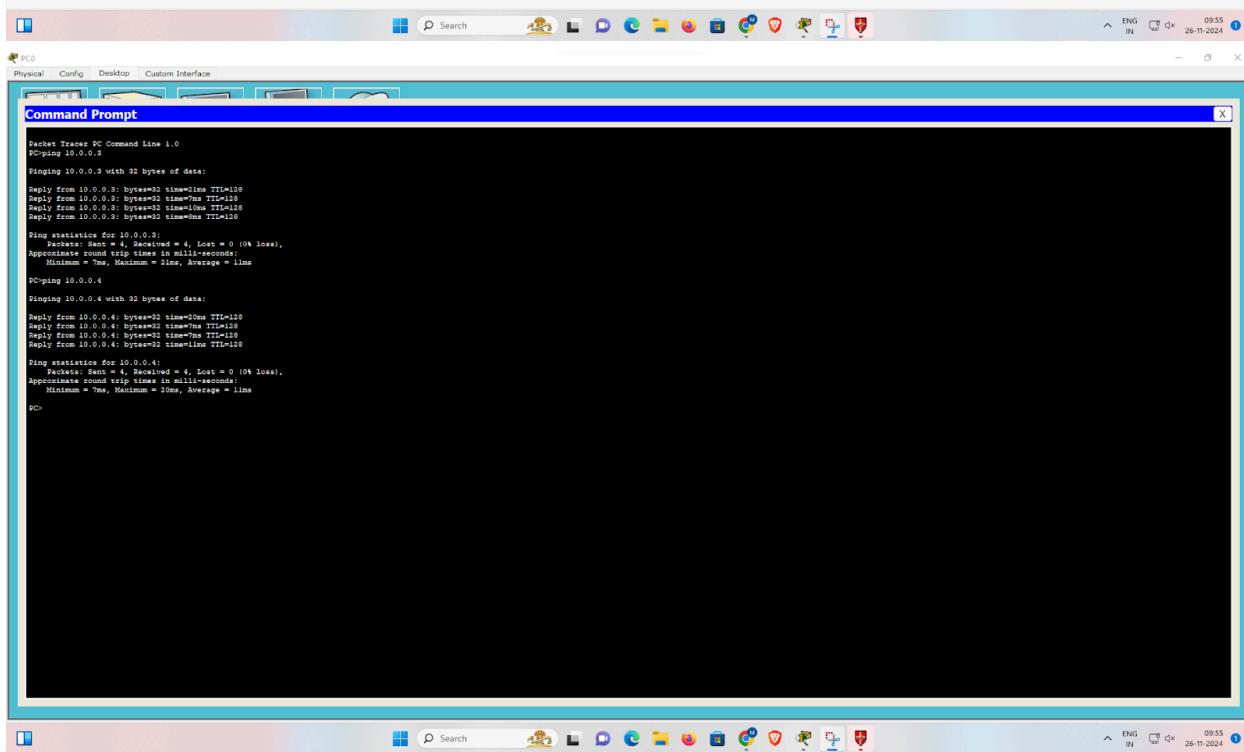
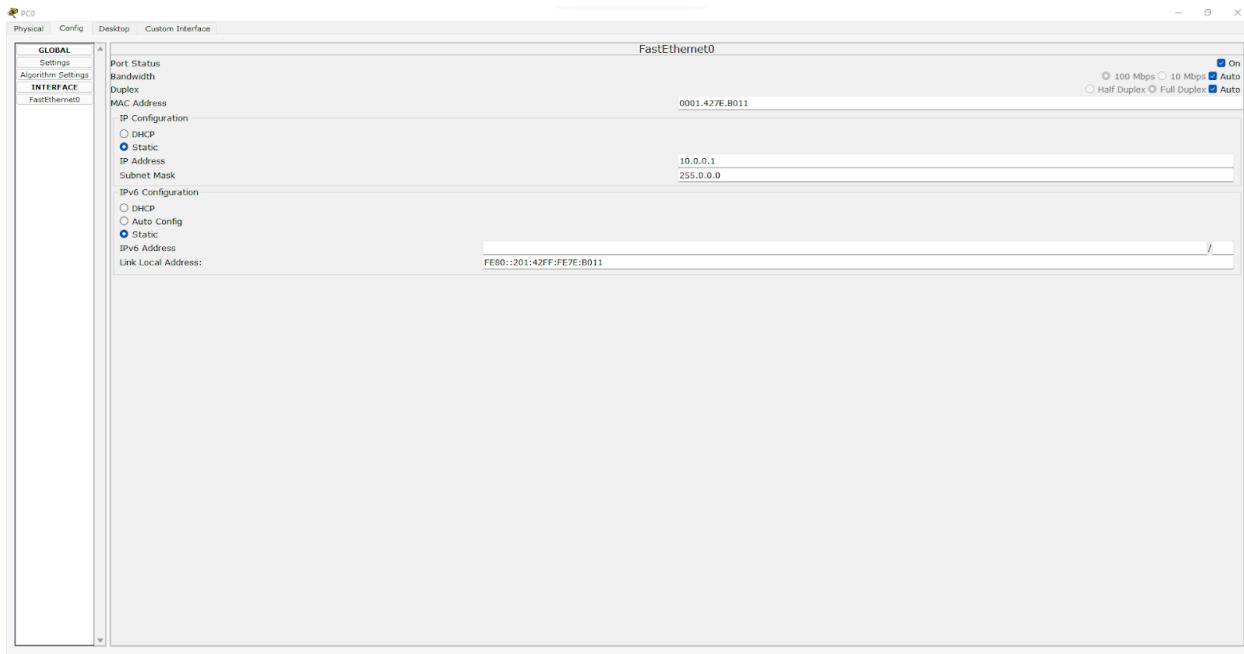
Aim of the program: To construct a WLAN and make the nodes communicate wirelessly
Procedure along with the topology





Screen shots/ output





Router0

Physical Config CLI

Processor board ID P70123 (0123)

PT2008 processor, part number 0, mask 01

DRAM memory 128Kbytes

ROM software, Version 3.0.0

4 FastEthernet/IEEE 802.3 interface(s)

1 LocalTalk interface, never interface(s)

32K bytes of non-volatile configuration memory.

64MB bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router>configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router>conf t

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#no shutdown

Router(config-if)#ip address 10.0.0.2 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#
 LINE-0-CHANGED: Interface FastEthernet0/0, changed state to up

Router con0 is now available

Press RETURN to get started.

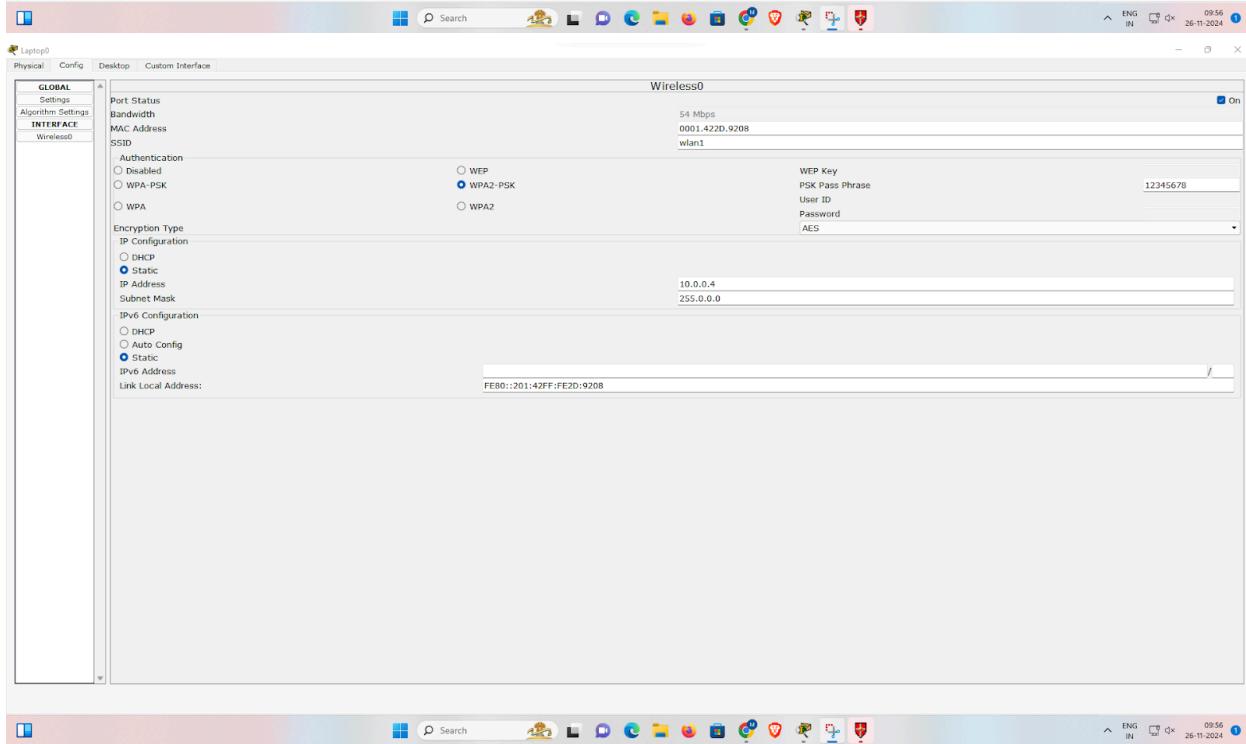
Access Point

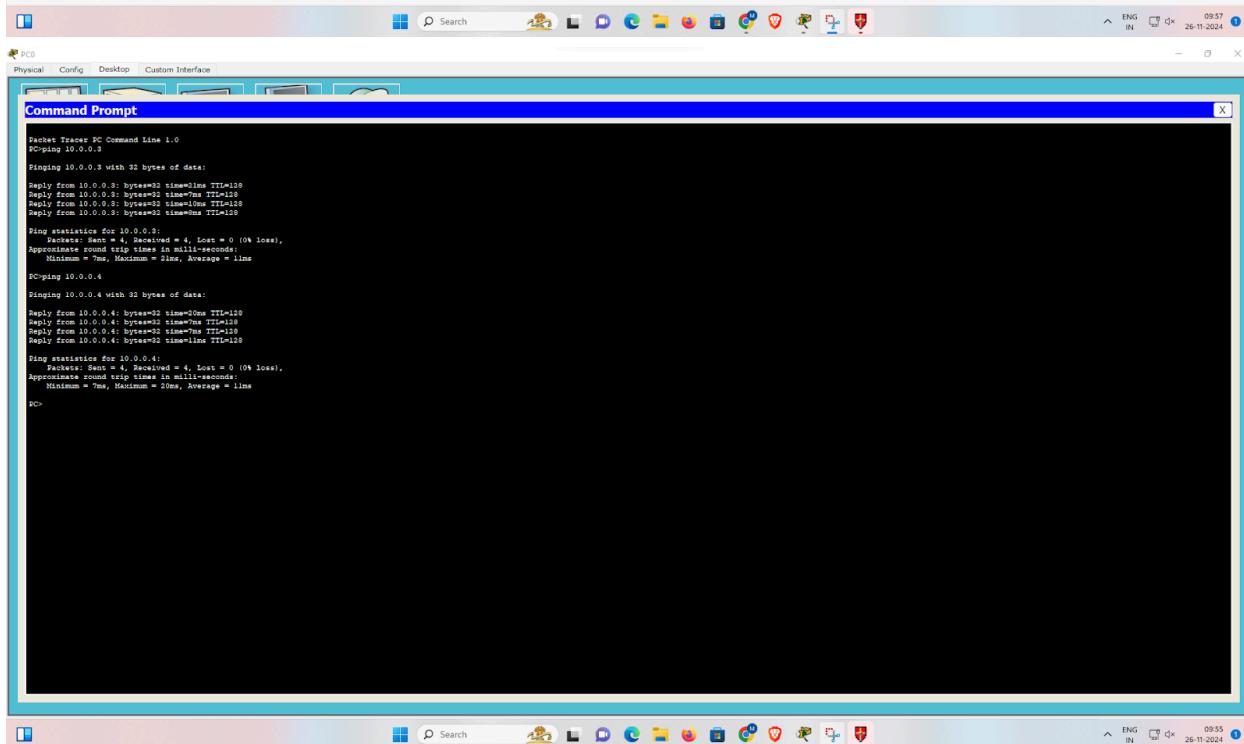
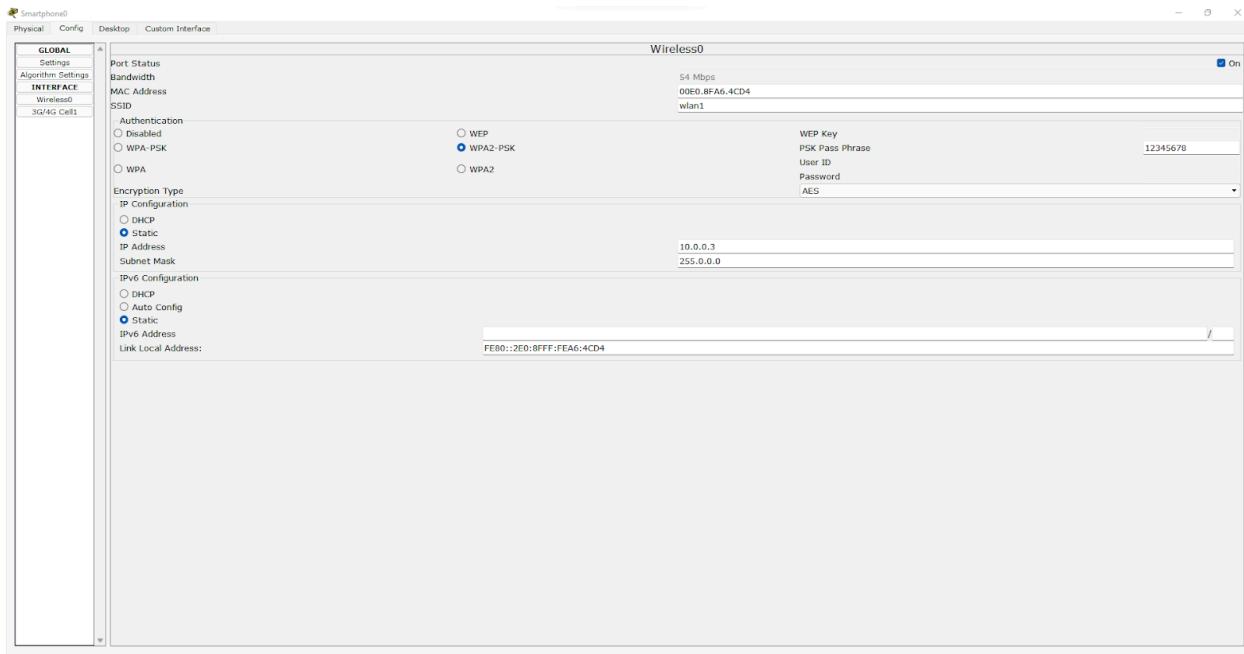
Physical Config

GLOBAL		Port 1	
Settings		Port Status	wlan1
INTERFACE		SSID	
Port 0		Channel	6
Port 1		Authentication	<input type="radio"/> WEP <input checked="" type="radio"/> WPA2-PSK
		WEP Key	12345678
		PSK Pass Phrase	AES
		Encryption Type	

ENGLISH IN 09:55 26-11-2024







Observation:

wireless part b) it

classmate

Date _____

Page _____

OBSERVATION:

Successful ping from PC0 to
small headphones and laptop 0

Successful ping from smartphone 0 and laptop 0
to PC0

PC0:

Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data

Reply from 10.0.0.3: bytes=32 time=2ms TTL=128

Reply from 10.0.0.3: bytes=32 time=7ms TTL=128

Reply from 10.0.0.3: bytes=32 time=10ms TTL=128

Reply from 10.0.0.3: bytes=32 time=8ms TTL=128

PP my statistics for 10.0.0.3

Packets: sent=4, received=4, lost=0 (0% loss)

Approximate round trip times in milliseconds

Minimum=2ms Max=21ms, avg=11ms

Ping 10.0.0.4

Re Pinging 10.0.0.4 with 32 bytes of data

Reply from 10.0.0.4: bytes=32 time=20ms TTL=128

Reply from 10.0.0.4: bytes=32 time=7ms TTL=128

Reply from 10.0.0.4: bytes=32 time=7ms TTL=128

Reply from 10.0.0.4: bytes=32 time=11ms TTL=128

PP my statistics for 10.0.0.4

Packets: sent=4, received=4, lost=0 (0% loss)

Approx. round trip times=Max=20ms, Min=7ms, Avg=11ms