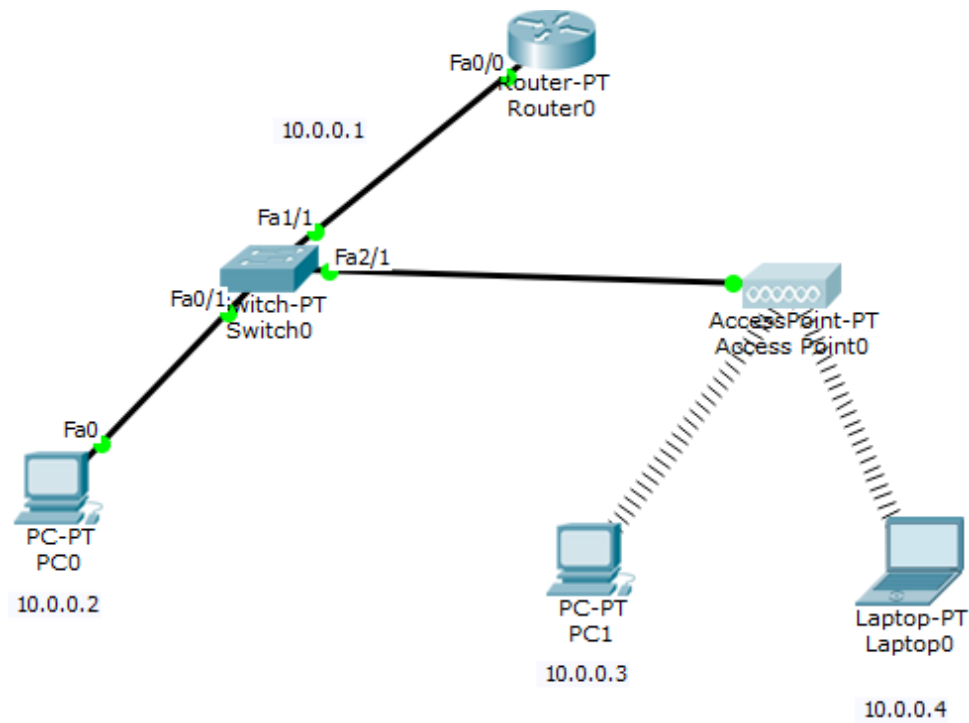


LAB 11:

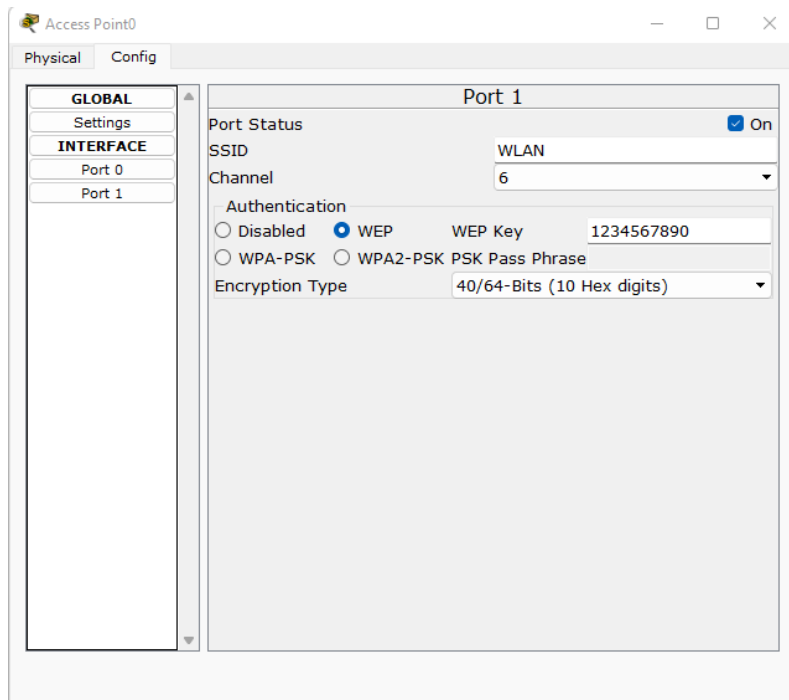
Aim : To construct a WLAN and make the nodes communicate wirelessly

Topology:

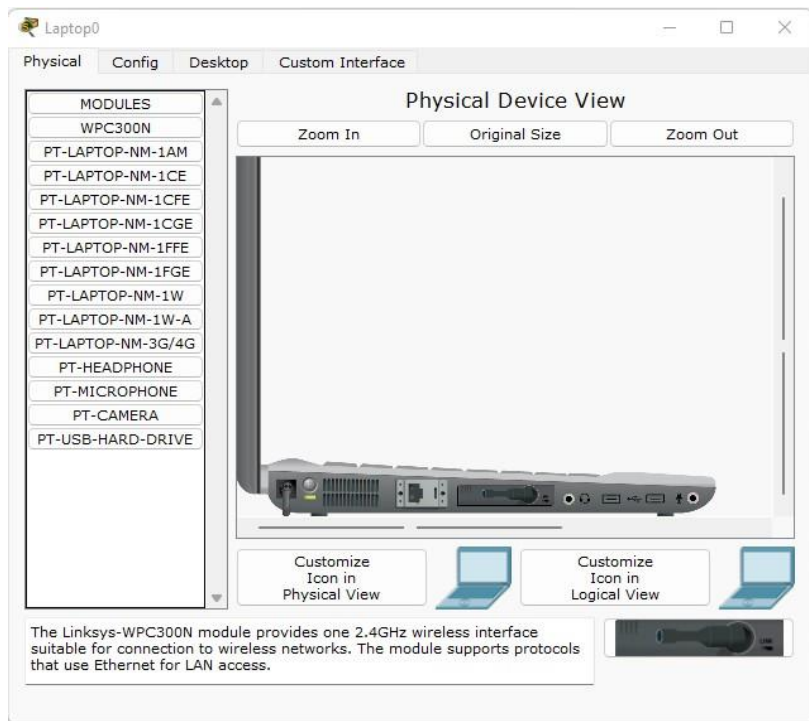


Configurations:

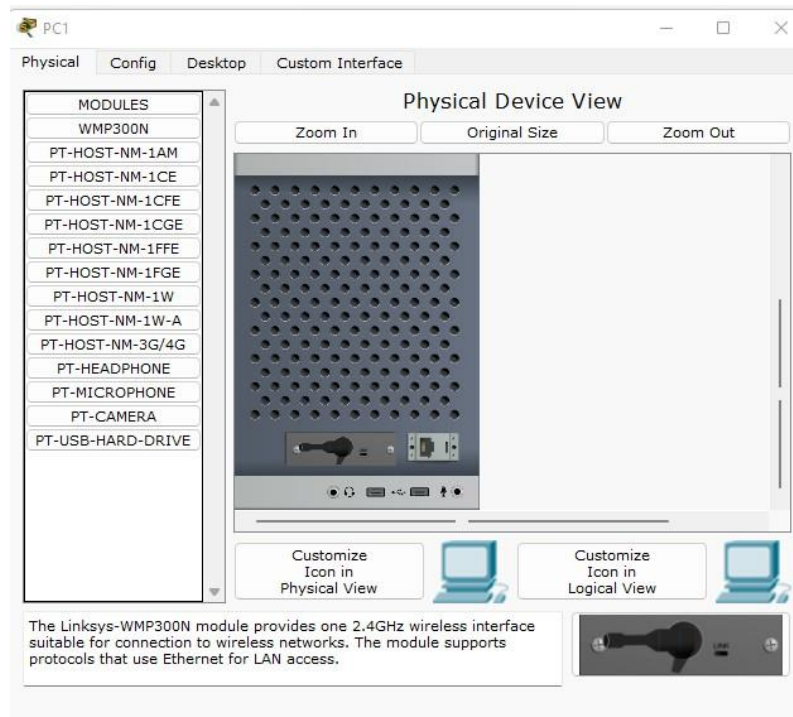
Access Point0:



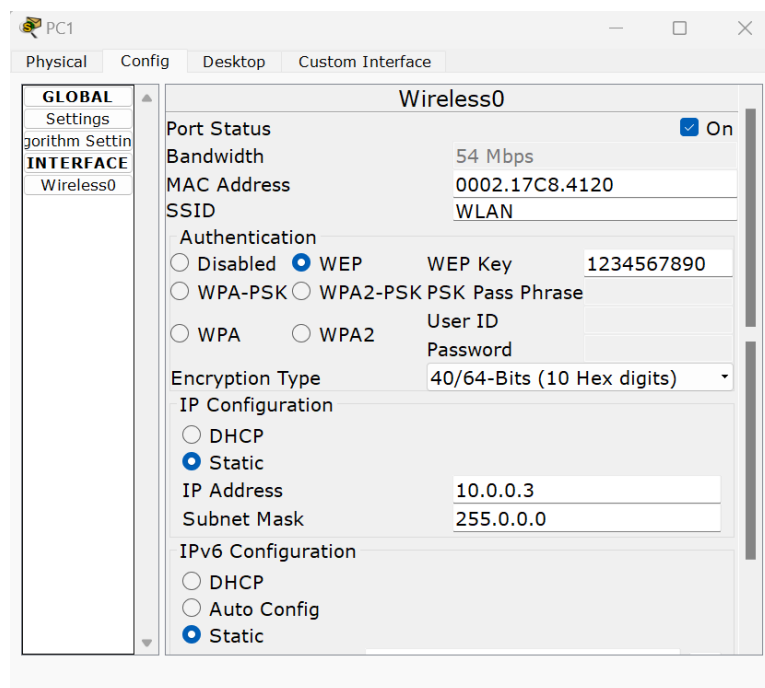
Laptop0 Physical port change:



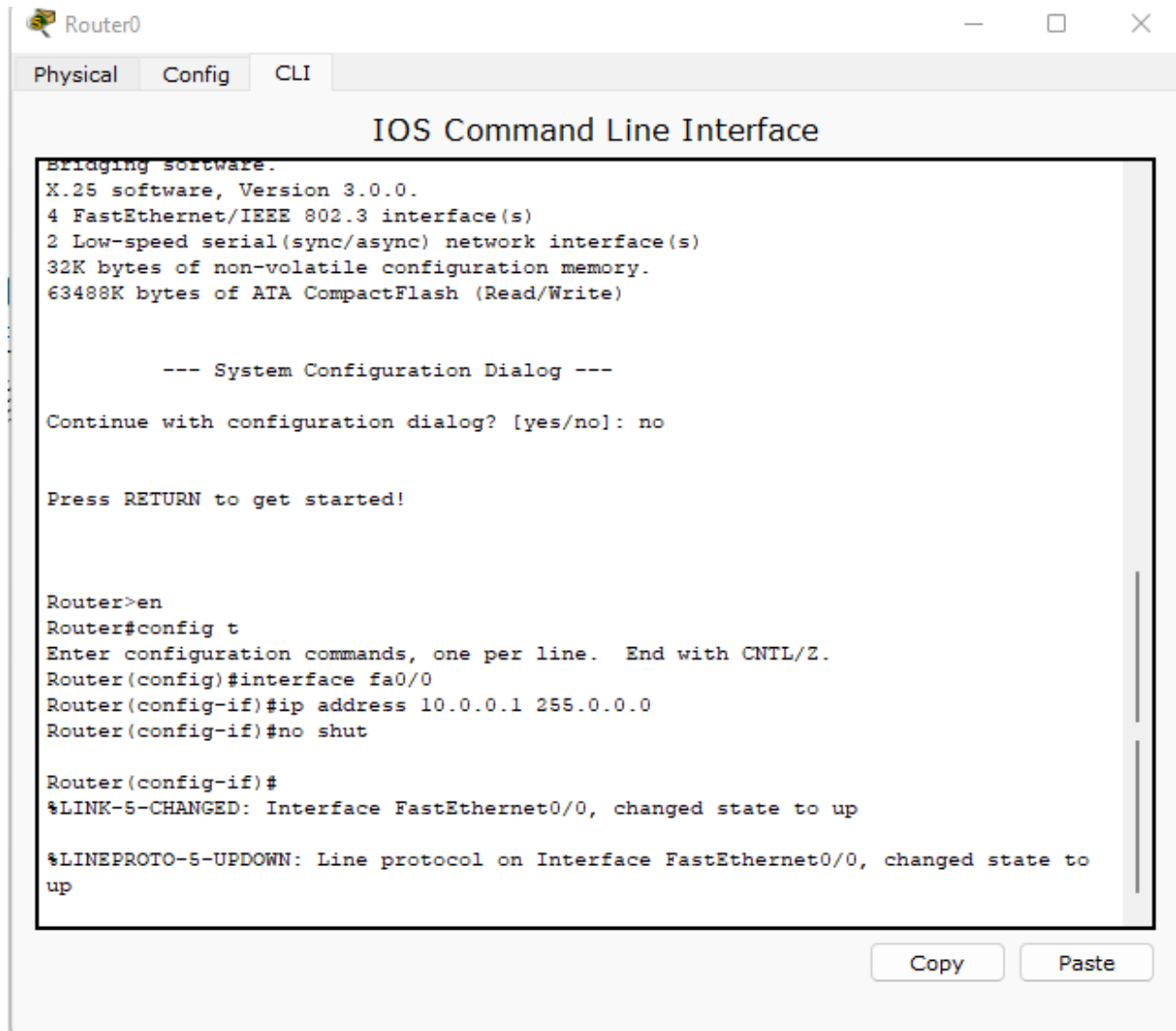
PC0 Physical port change:



PC0 and Laptop0 Wireless configuration:

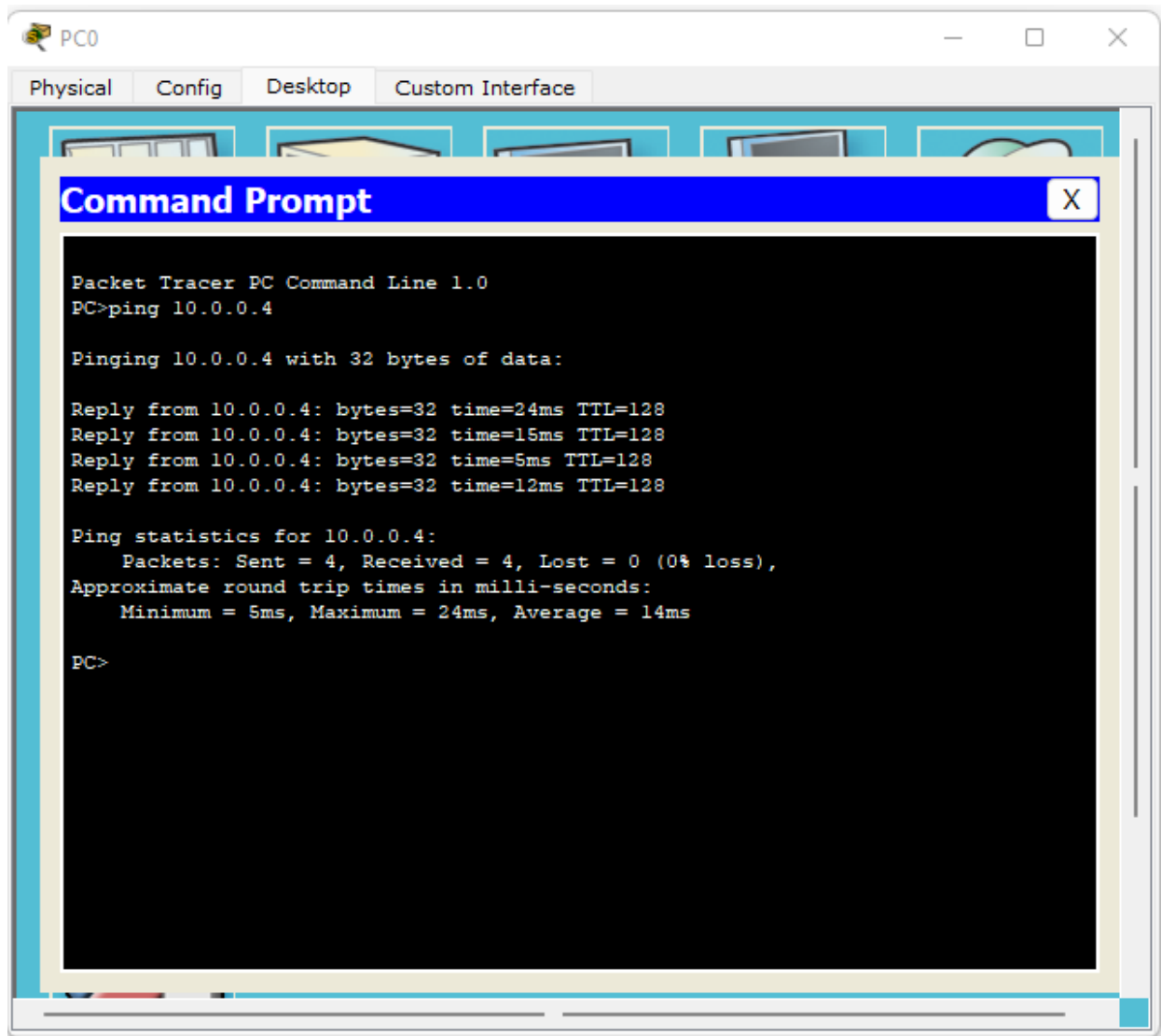


Router 0 CLI:

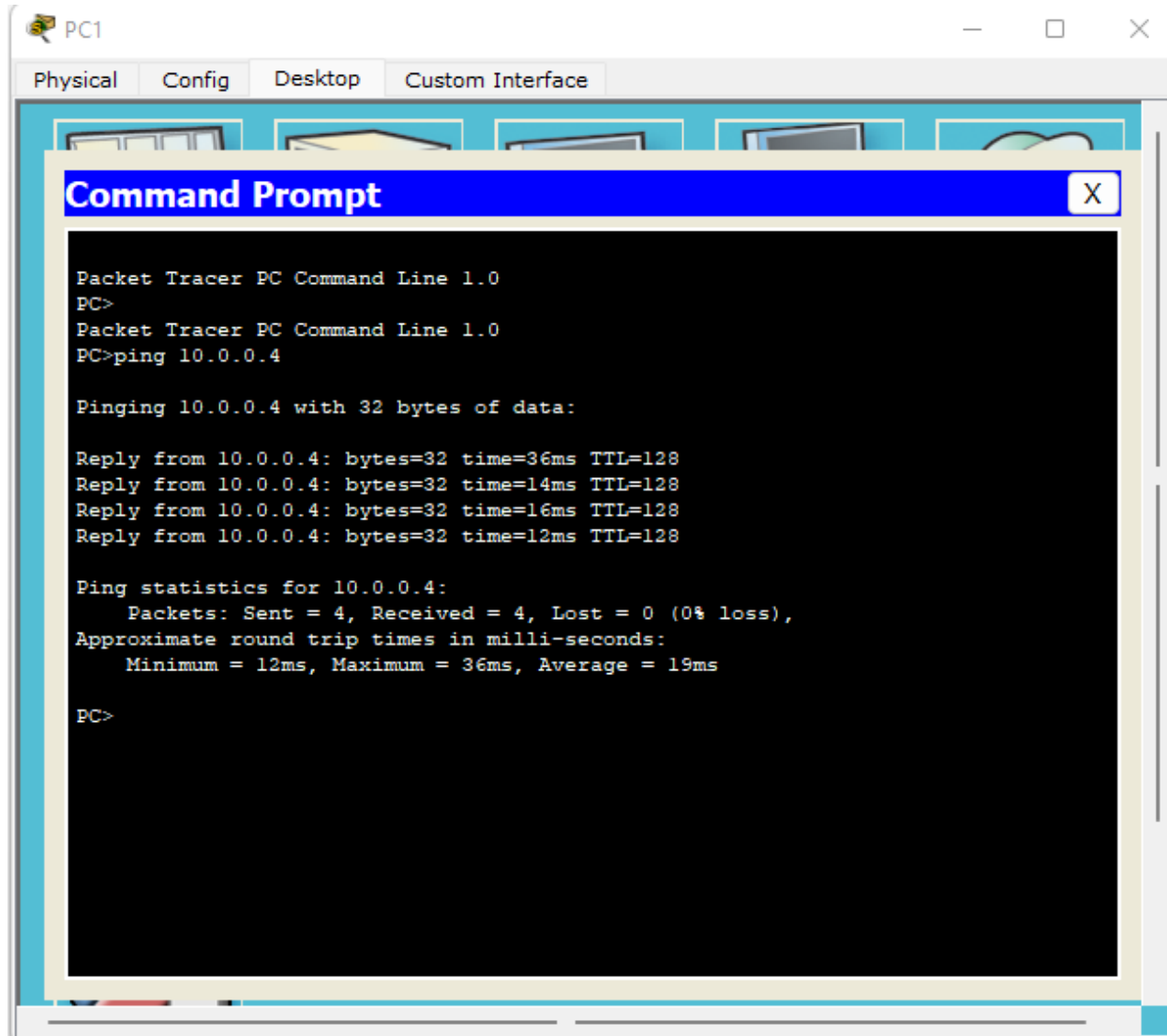


Command Prompt:

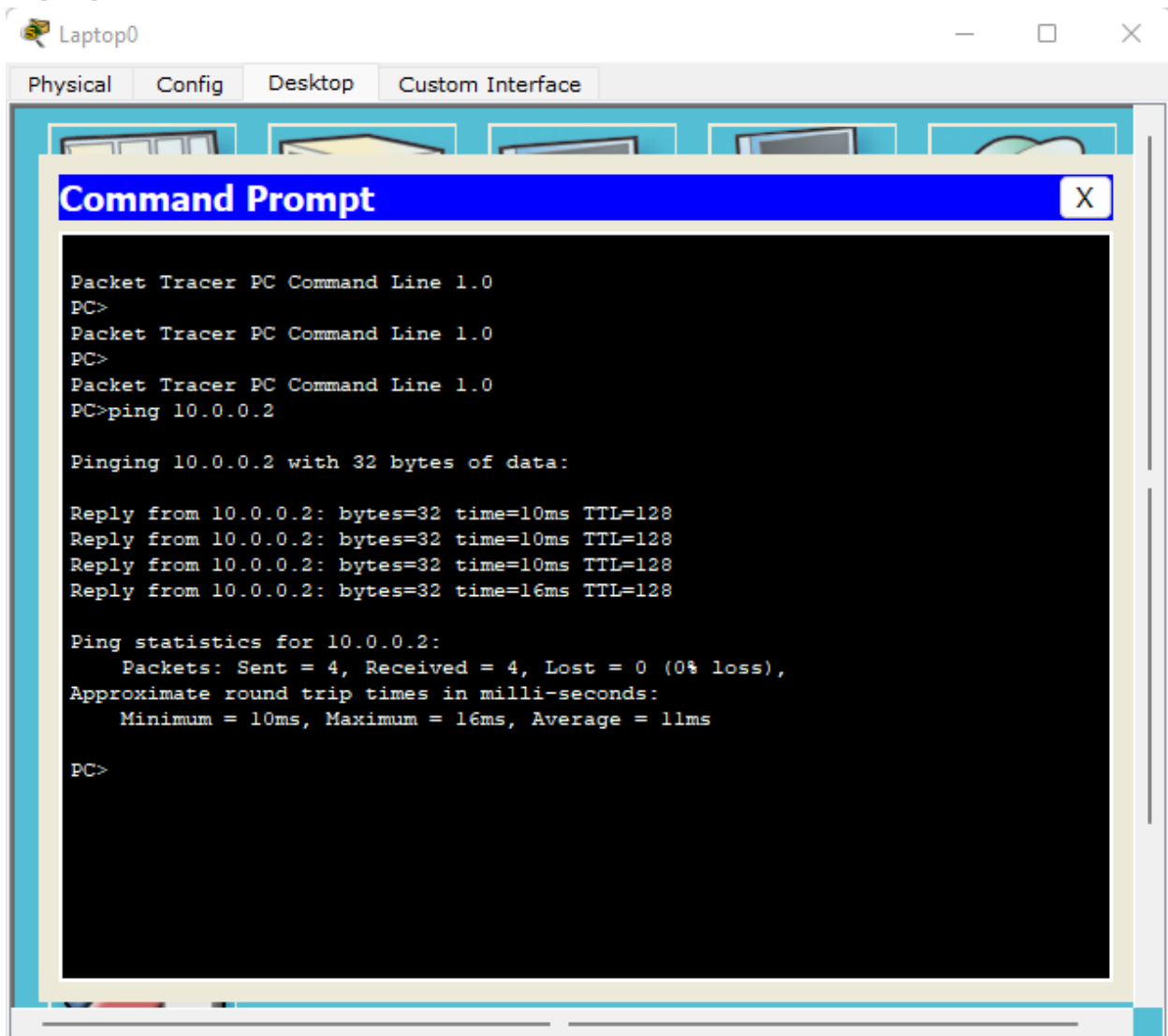
PC0 to Laptop0 :



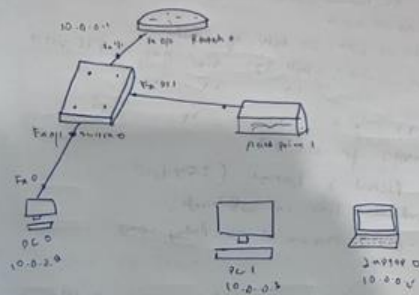
PC1 to Laptop0 :



Laptop0 to PC0:



Aim:-
To configure a WLAN and make the mobile connected with body
Topology:-



Procedure:-

- 1) Construct the above topology
- 2) Configure PC0 & Laptop0
- 3) Configure Access point
- 4) Select IP & give any 10 digit mac key - 1234567890
- 5) Configure the WLAN wireless
- 6) Switch on the device, show status, RT-Test, Run-1AM to the component listed in 245. Press Windows wireless icon to setup point. Switch on the device
- 7) Ping from every device to every other device

PING output

Podar Tshd PC command line is

PC > Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data

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

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Observation:

- 1. A WLAN is a group of connected devices that form a network based on radio transmission.
- 2. Data sent in frames contain logical address labels & instructions. MAC address is used for routing.
- 3. The access point is the host station that serves as a hub to which other stations connect.
- 4. With an access point we can connect to multiple devices wirelessly & transmit data.

