Institut Universitaire des Sciences (IUS)

FACULTÉ DES SCIENCES ET DES TECHNOLOGIES (FST)

RAPPORT

SUR LE TRAVAIL DE LABORATOIRE № 1

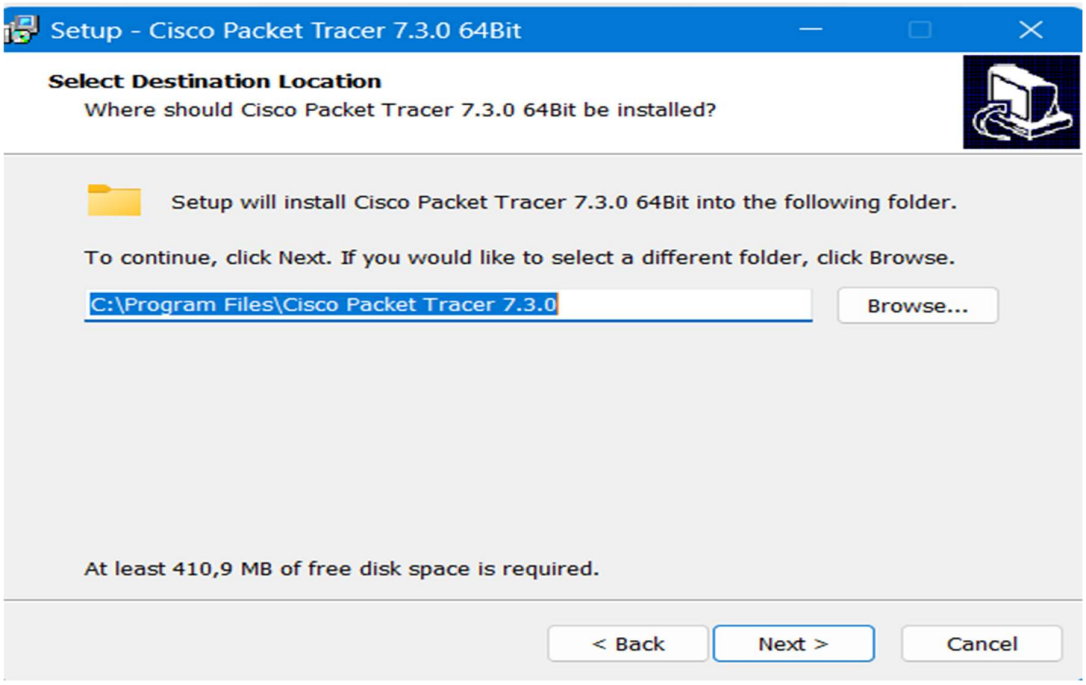
Cours : Réseaux 1

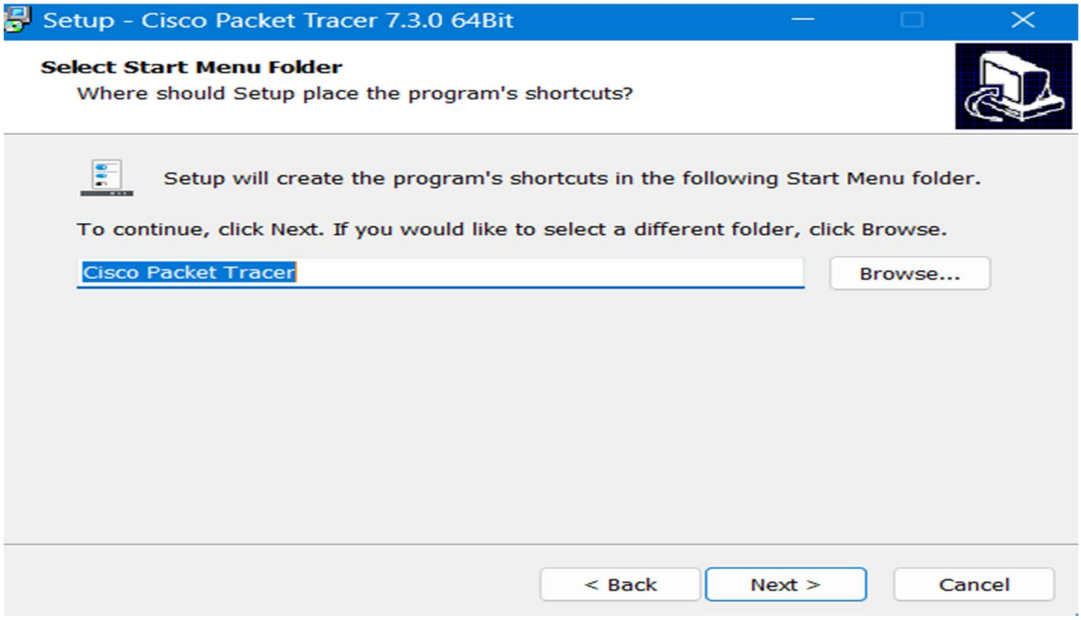
Étudiant : Wendy Colas
Niveau : L3

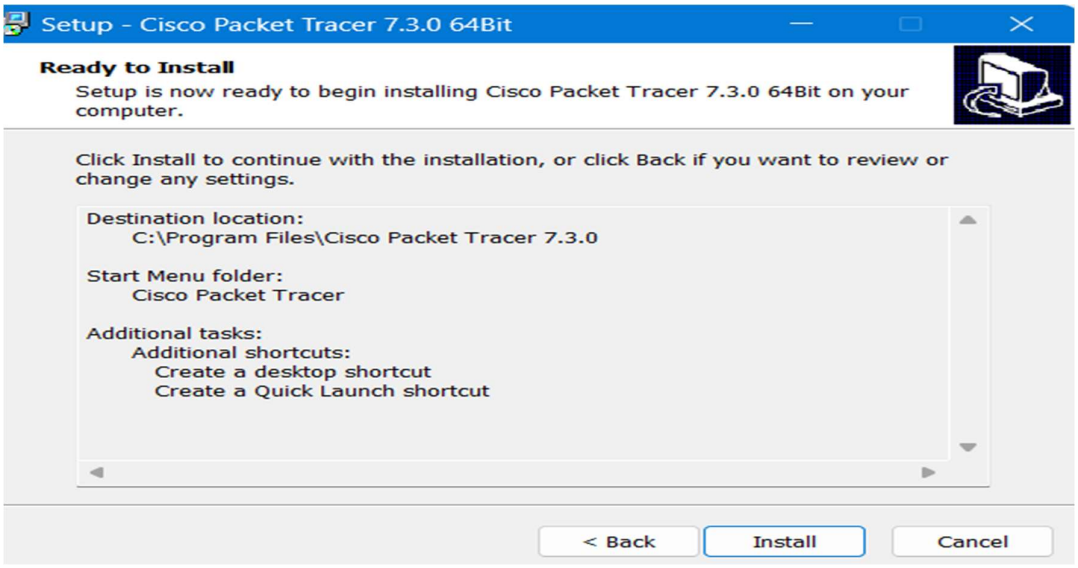
2024

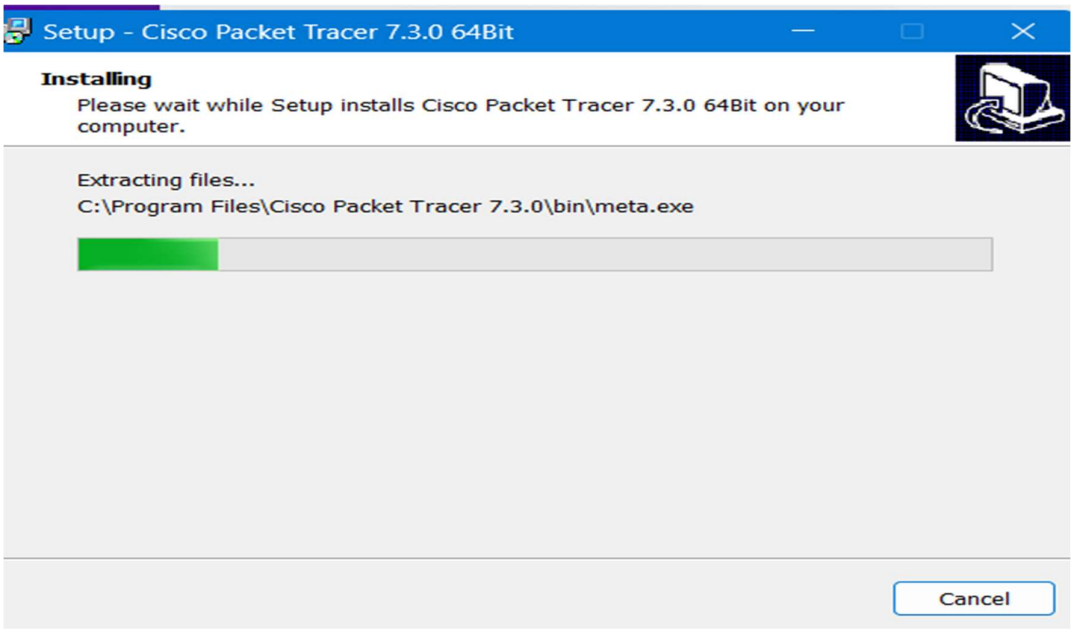
Exécution du TD

I. Installation de Cisco Packet Tracer



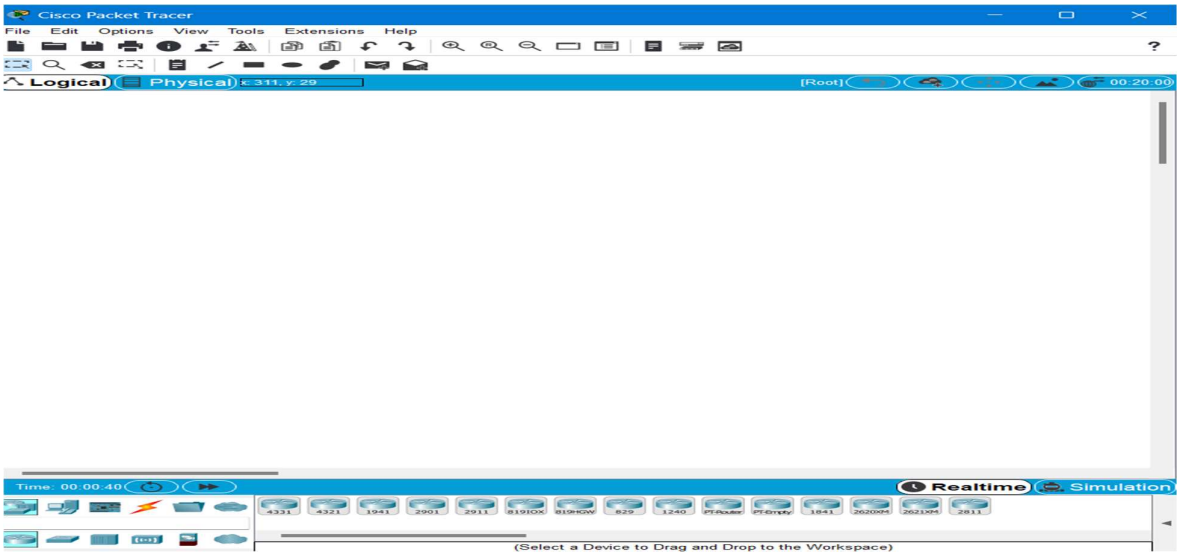


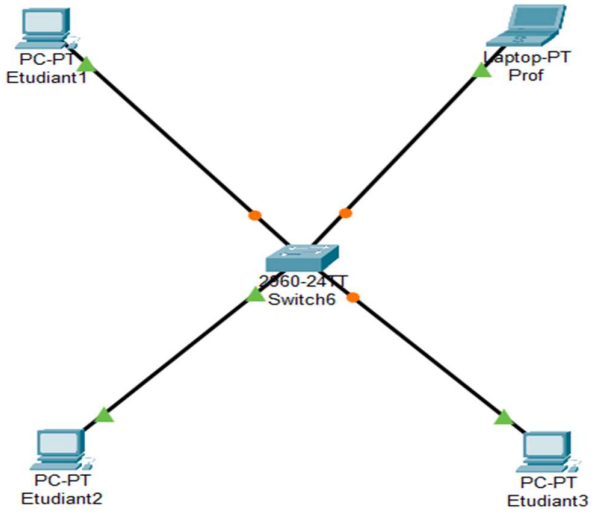


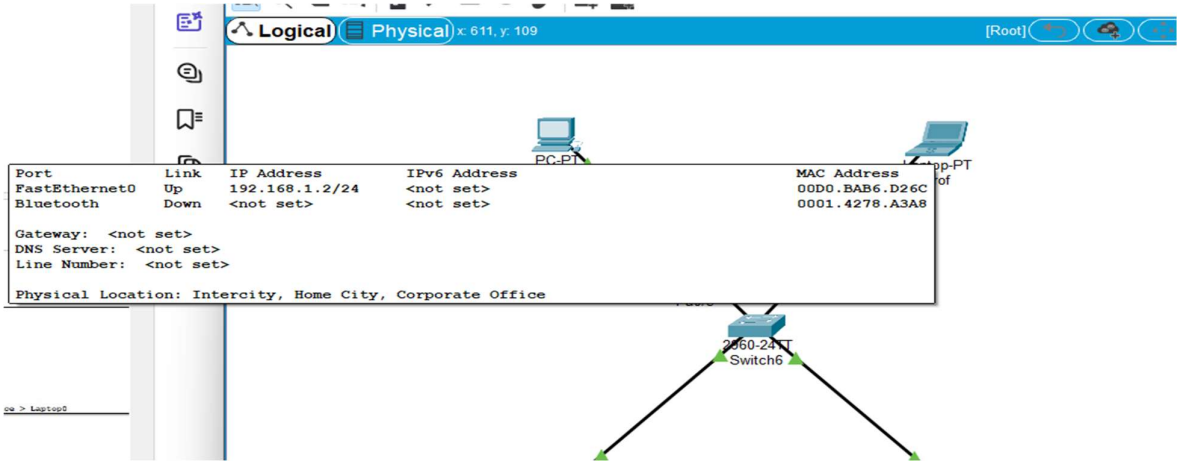


II. Travaux pratiques

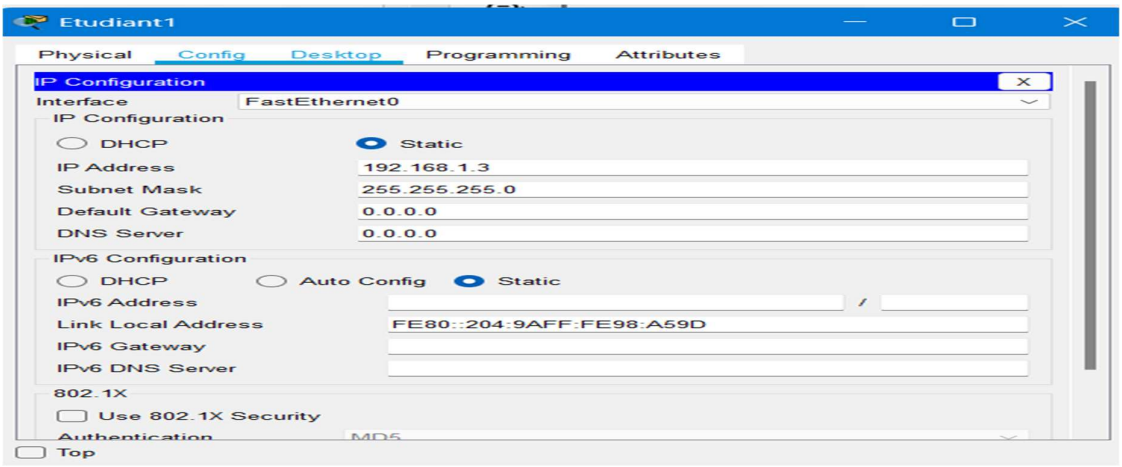
1. Créer un réseaux simple en utilisant la topologie


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 311, y: 29
[Root]
00:20:00
Time: 00:00:40
Realtime Simulation
(Select a Device to Drag and Drop to the Workspace)

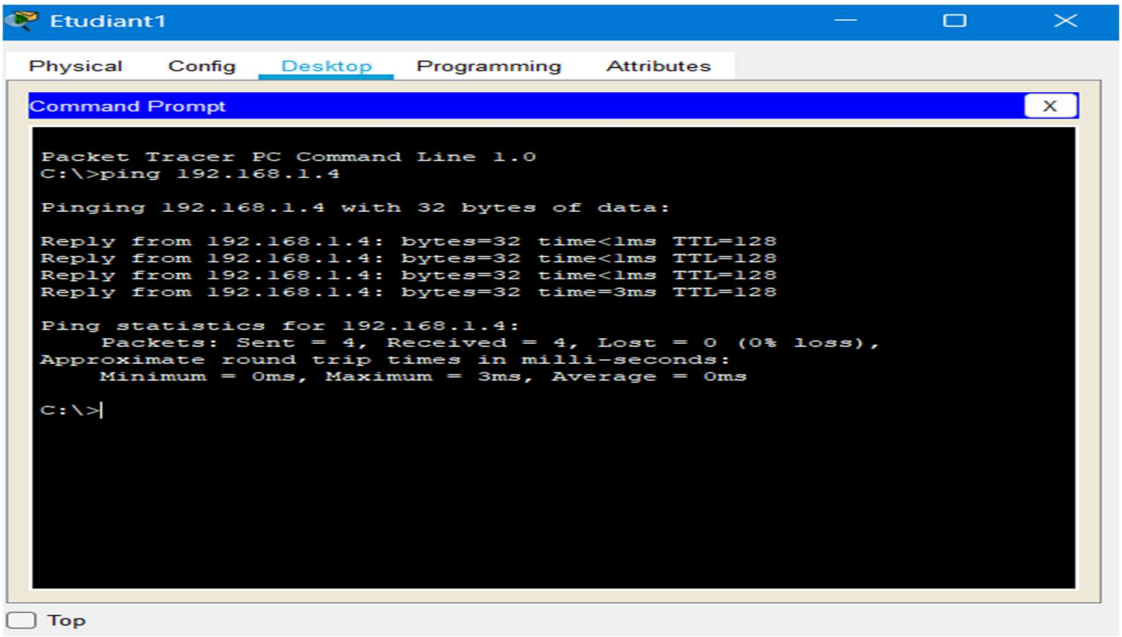

PC-PT
Etudiant1
Laptop-PT
Prof
2960-24TT
Switch6
PC-PT
Etudiant2
PC-PT
Etudiant3


Logical Physical x: 611, y: 109
[Root]
PC-PT
Port Link IP Address IPv6 Address MAC Address
FastEthernet0 Up 192.168.1.2/24 <not set> 00D0.BAB6.D26C
Bluetooth Down <not set> <not set> 0001.4278.A3A8
Gateway: <not set>
DNS Server: <not set>
Line Number: <not set>
Physical Location: Intercity, Home City, Corporate Office
2960-24TT
Switch6

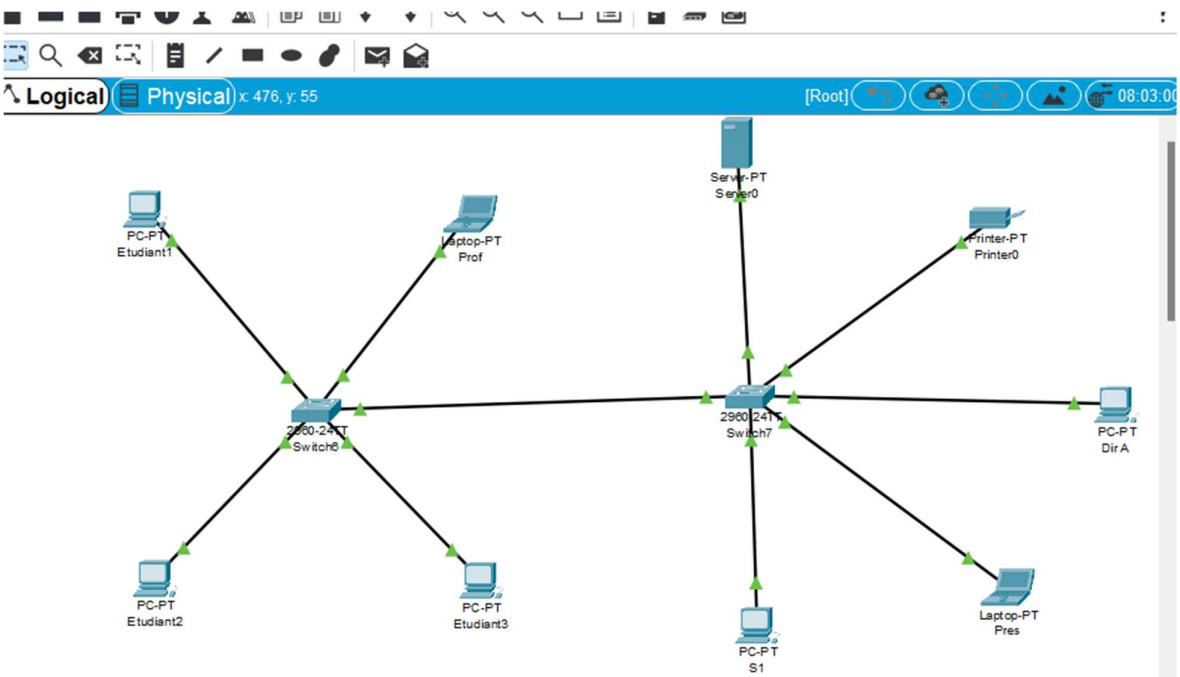
2. Configurer les adresses IP des PC

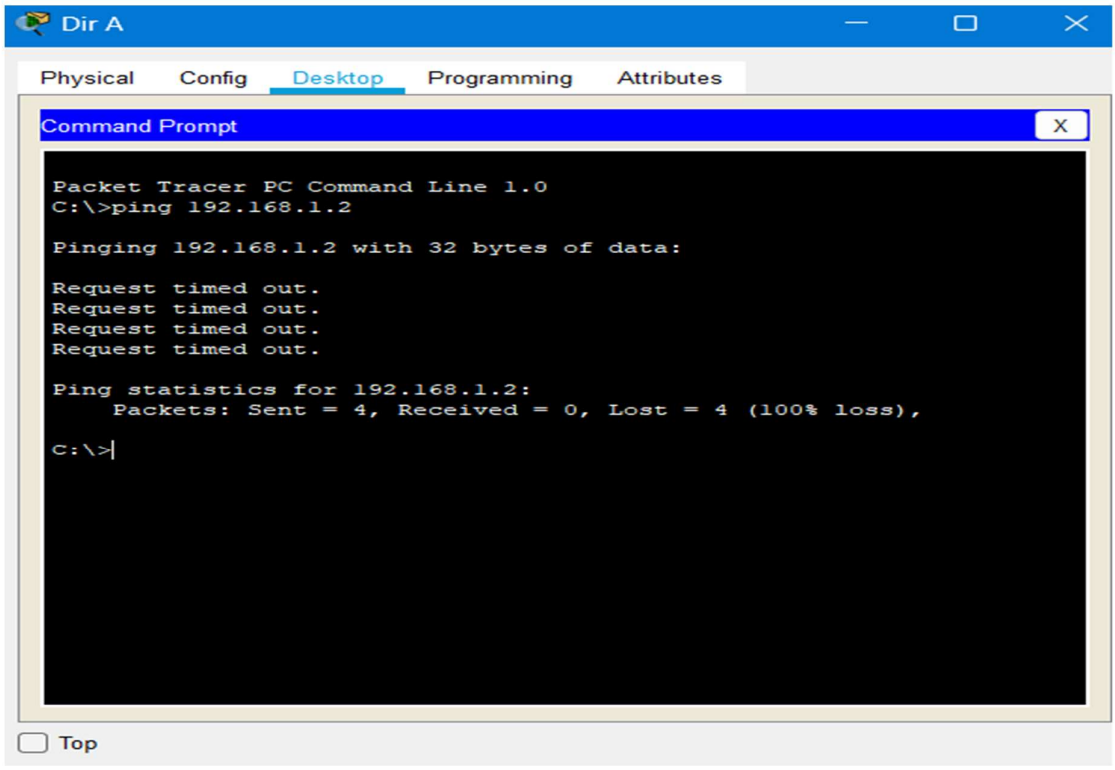


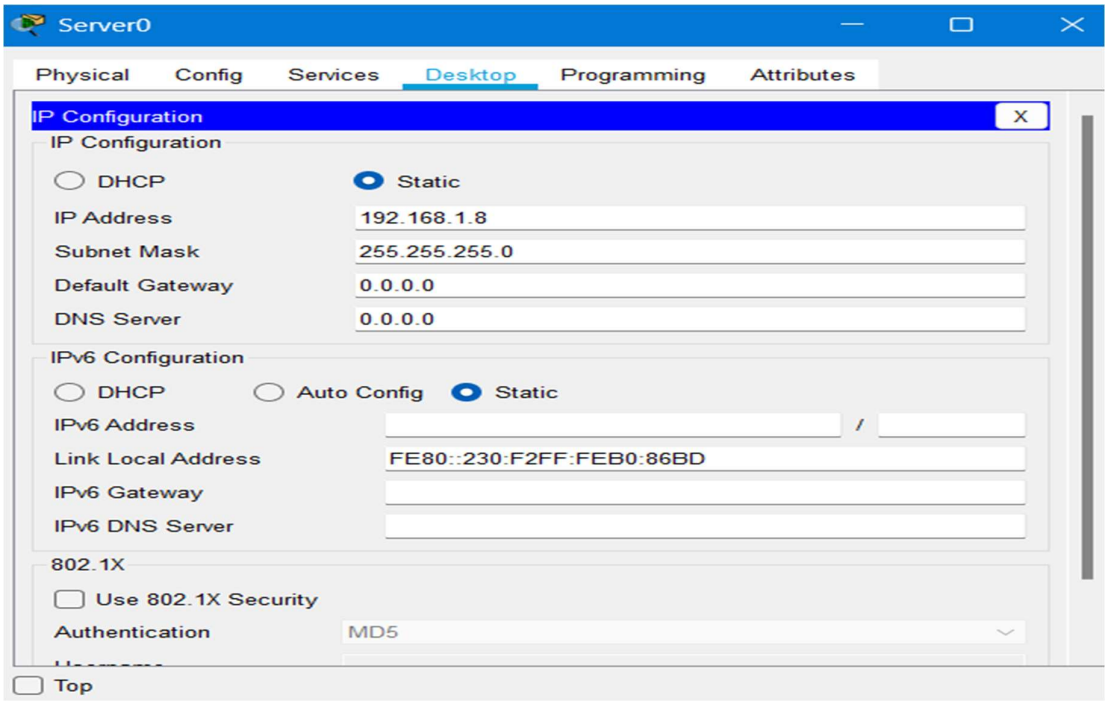
3. Verifier la connectivitee

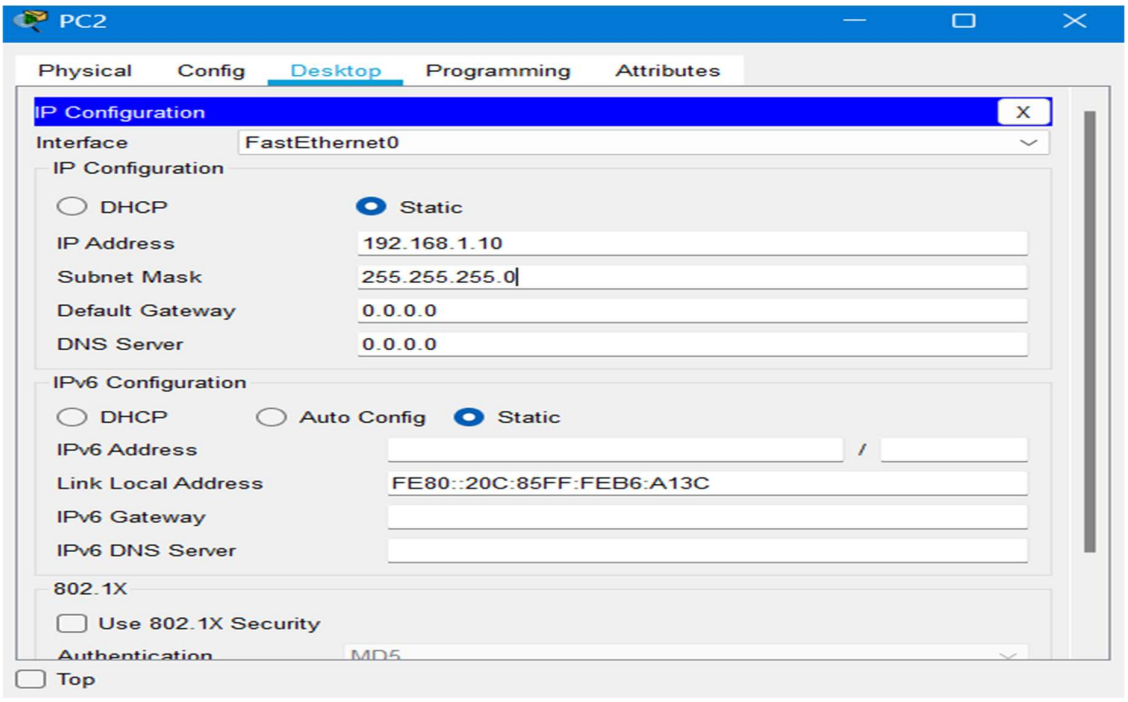


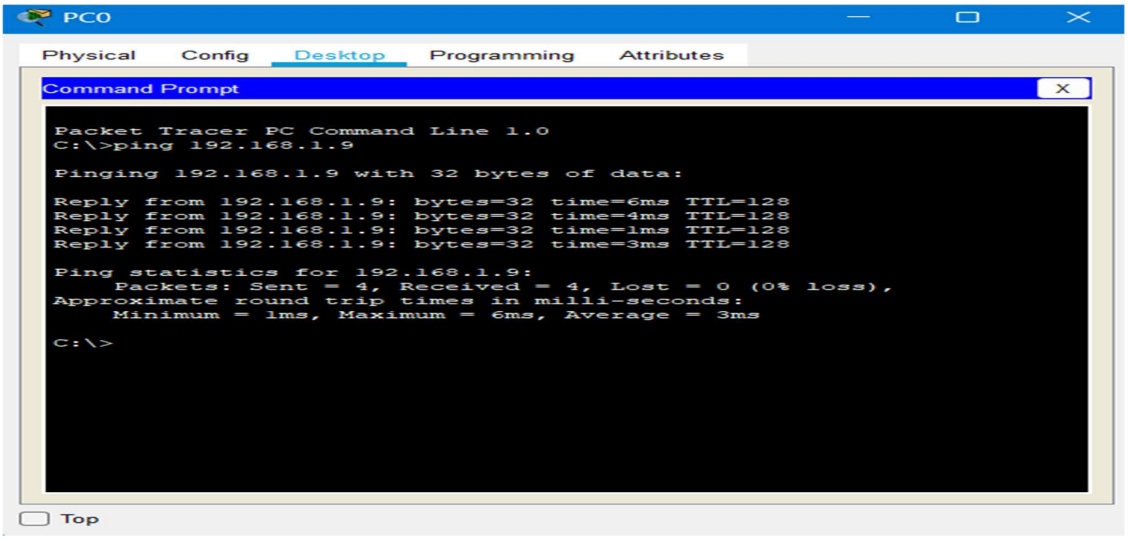
4. Un reseau plus complexe


Logical
Physical
x: 476, y: 55
[Root]
08:03:00
Server-PT
Server0
PC-PT
Etudiant1
Laptop-PT
Prof
Printer-PT
Printer0
2960-24TT
Switch6
2960-24TT
Switch7
PC-PT
Dir A
PC-PT
Etudiant2
PC-PT
Etudiant3
PC-PT
S1
Laptop-PT
Pres


Dir A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
Top

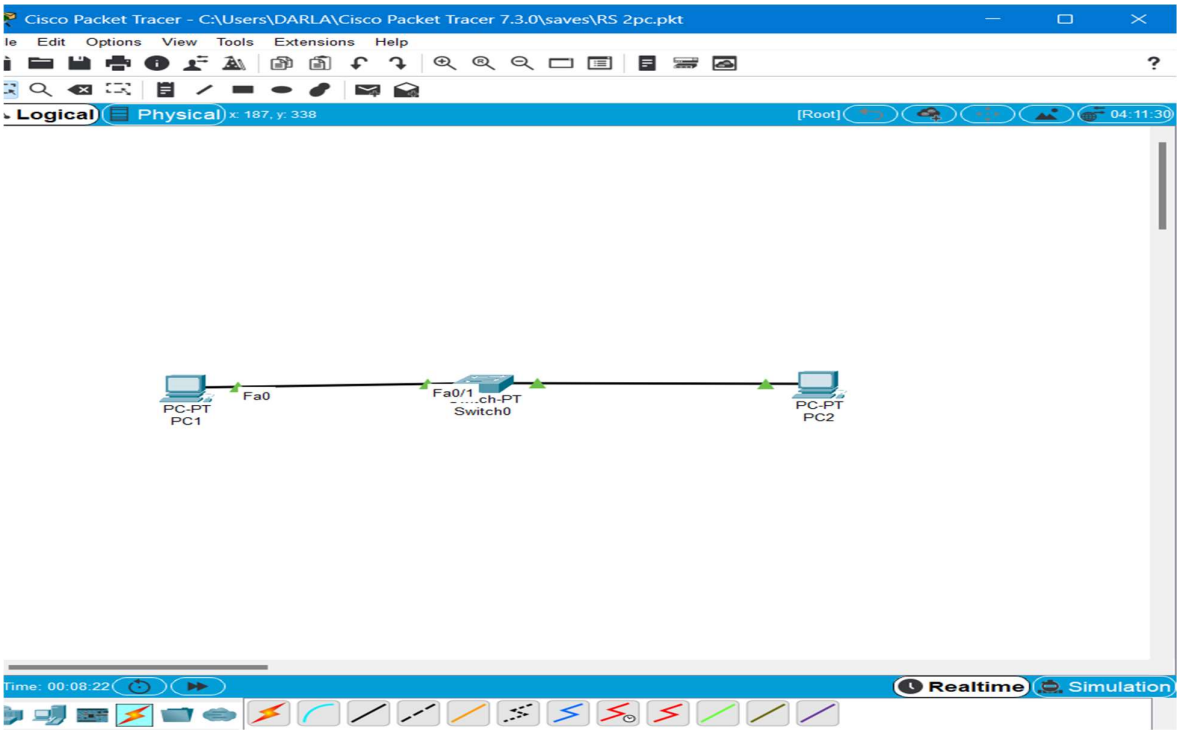

Server0
Physical
Config
Services
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.1.8
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::230:F2FF:FEB0:86BD
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Top

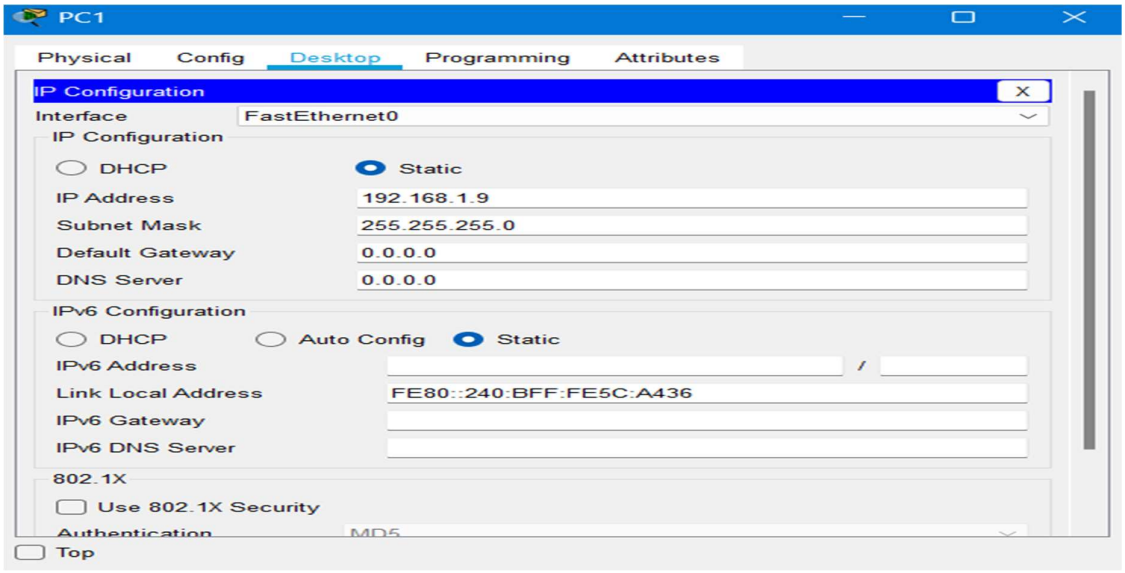

PC2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
192.168.1.10
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::20C:85FF:FEB6:A13C
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Top

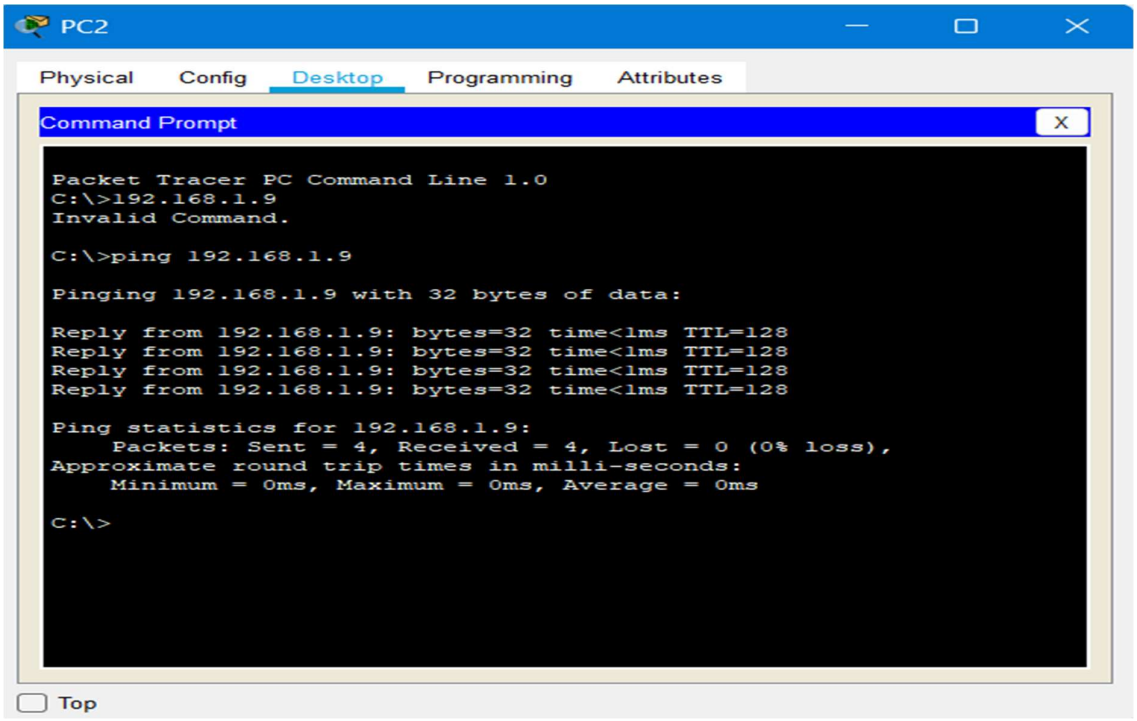


III. Travaux dirigés Cisco Packet Tracer

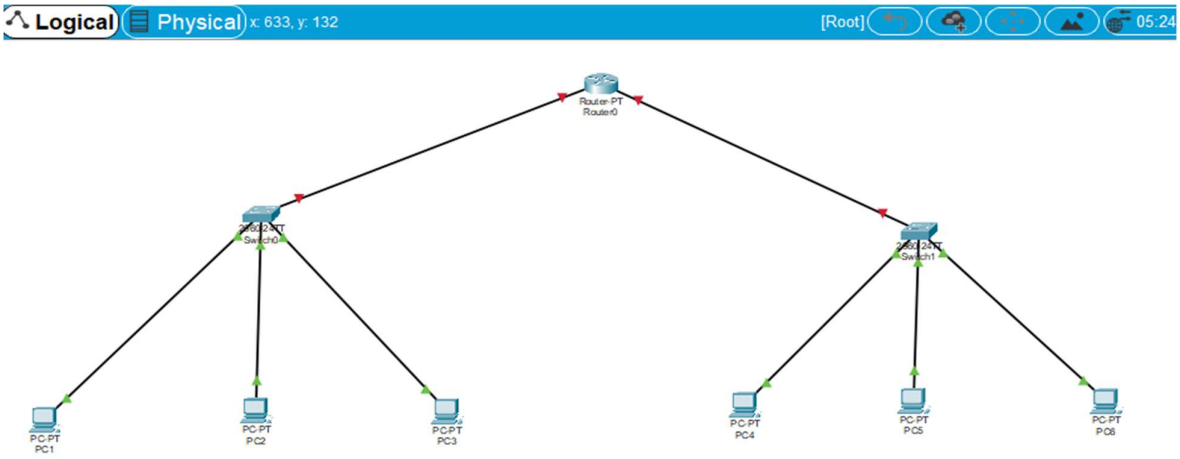
1. Créer un réseau simple avec deux PC connectés via un switch.



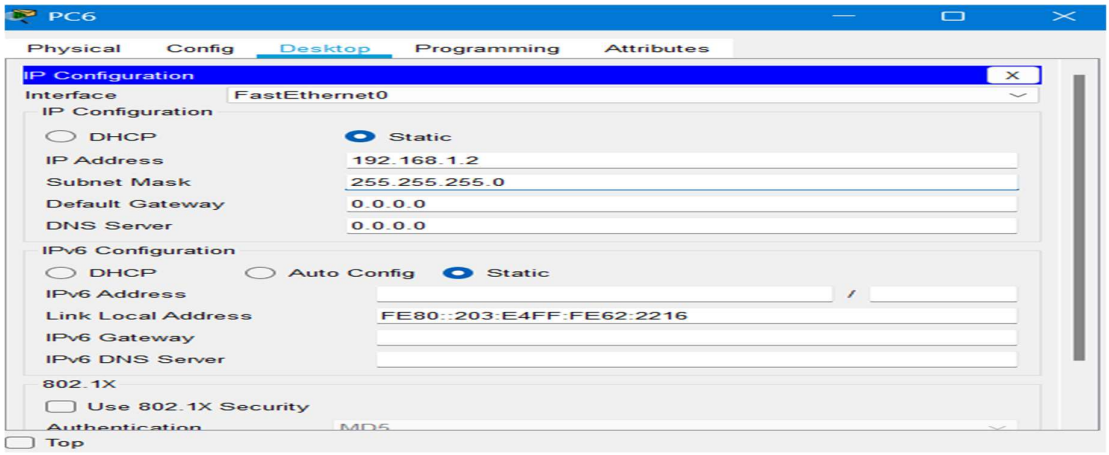




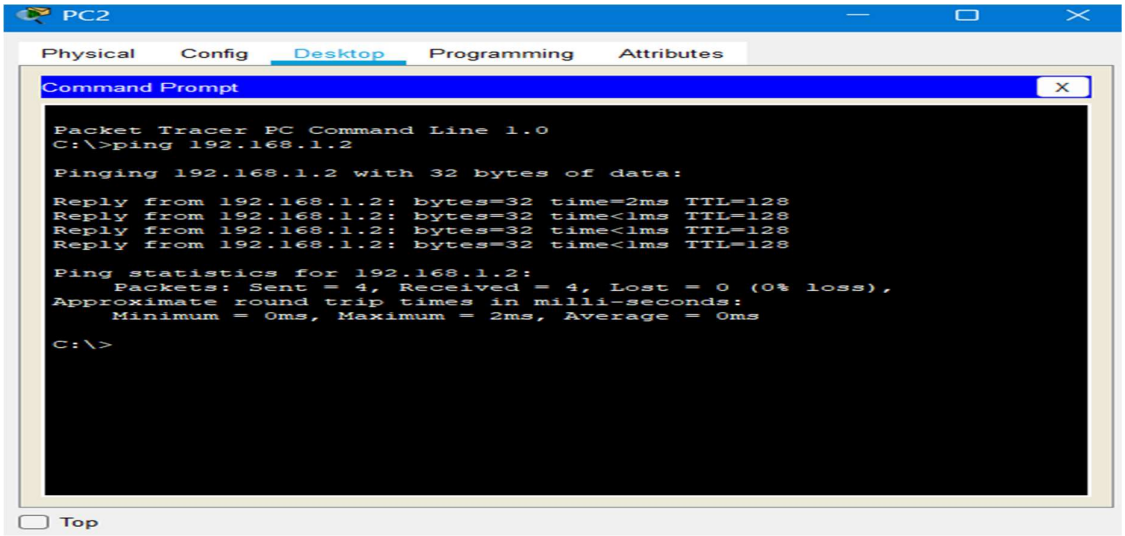
2. Créer un réseau simple en utilisant la topologie en arbre avec 6 ordinateurs.



3. Configurer les adresses IP des PC



4. Vérifier la connectivité



IV. CONCLUSION

En lisant le support du cours, j'ai pu assimilé les notions relatives à l'utilisation du logiciel Cisco Packet Tracer. J'ai également rédigé les exercices afin de parfaire ma compréhension dudit logiciel.