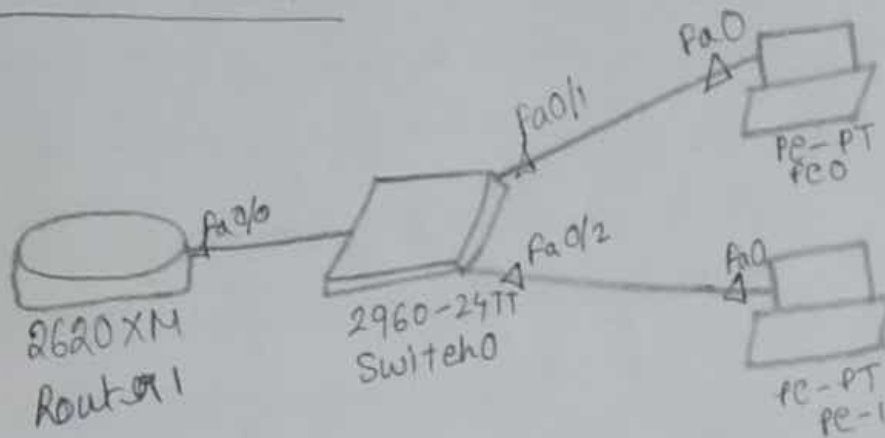


### Assignment-3

#### PE to PE Connection:-



#### PC IP Configuration:-

CLICK ON PC [LEFT CLICK]



CLICK IP CONFIGURATION ICON AND PUT  
IP ADDRESS AND SUBNET MASK



FOR PC0 → IP Address → 192.168.0.30  
Subnet Mask → ~~255.255.255.0~~ 255.255.255.0

FOR PC1 → IP Address → 192.168.0.20  
Subnet Mask → 255.255.255.0

#### Switch Configuration:-

Switch > enable

Switch # configure terminal

Switch (config) # hostname Purnendu

Purnendu (config) # enable password axisun

Purnendu (config) # enable secret 1234

Purnendu (config) # line console 0

Router# (config-line) # password funu

Router# (config-line) # login

Router# (config-line) # exit

Router# (config-line) # line vty 0 15

Router# (config-line) # password funu

Router# (config-line) # login

Router# (config-line) # exit

Router# (config) # interface vlan 1

Router# (config-if) # ip address 192.168.0.10 255.255.255.0

Router# (config-if) # no shutdown

Router# (config-if) # exit

Router# (config) # exit

Router#

Verification:-

Router# show running-config [to check the switch configuration]

PC to PC Configuration:-

E:\> ping 192.168.0.20

Pinging 192.168.0.30 with 32 bytes of data:

Reply from 192.168.0.30 bytes=32 time=1ms TTL=255

## Router Configuration -

```
Router > enable
Router # configure
Router(config) # interface fastethernet 0/0 [IP configuration]
Router(config-if) # ip address 192.168.0.40 255.255.255.0
Router(config-if) # no shutdown
Router(config-if) # exit
Router(config) # line vty 0 4
Router(config-line) # password 1234
Router(config-line) # login
Router(config-line) # exit
Router(config) # line console 0
Router(config-line) # password 1234
Router(config-line) # login
Router(config-line) # enable secret 1234
Router(config) # exit
Router #
```

## Verification :-

```
Router # Show running-config [to check the Router configuration]
```

PC to Router Configuration:-

e:\> Ping 192.168.0.40

pinging 192.168.0.40 with 32 bytes of data:

Reply from 192.168.0.40: bytes = 32 time = 110 ms TTL=255

✓  
Reply 10/3/23