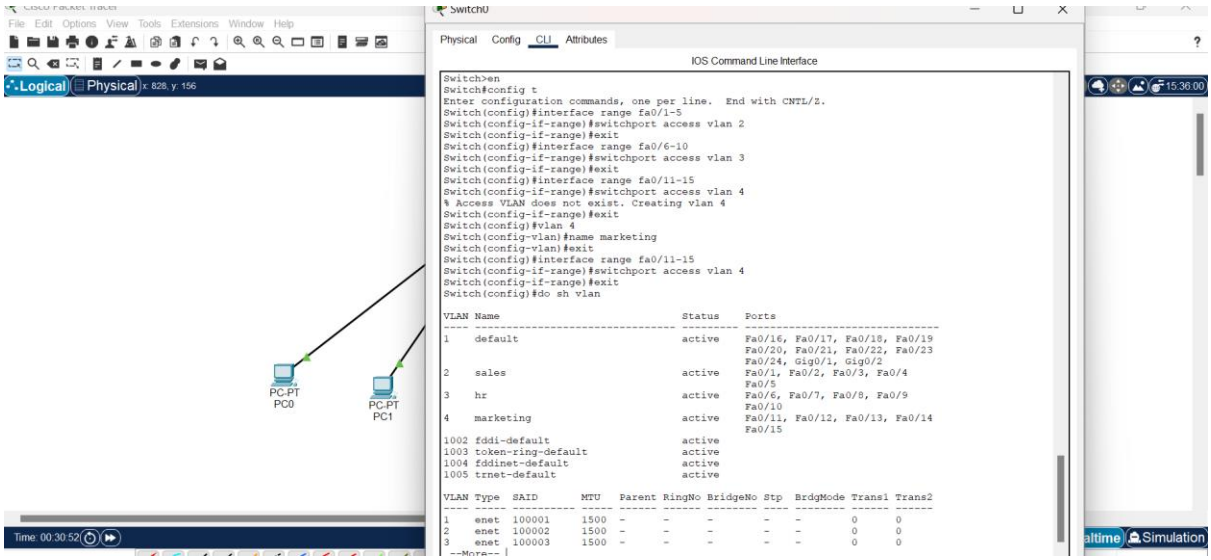
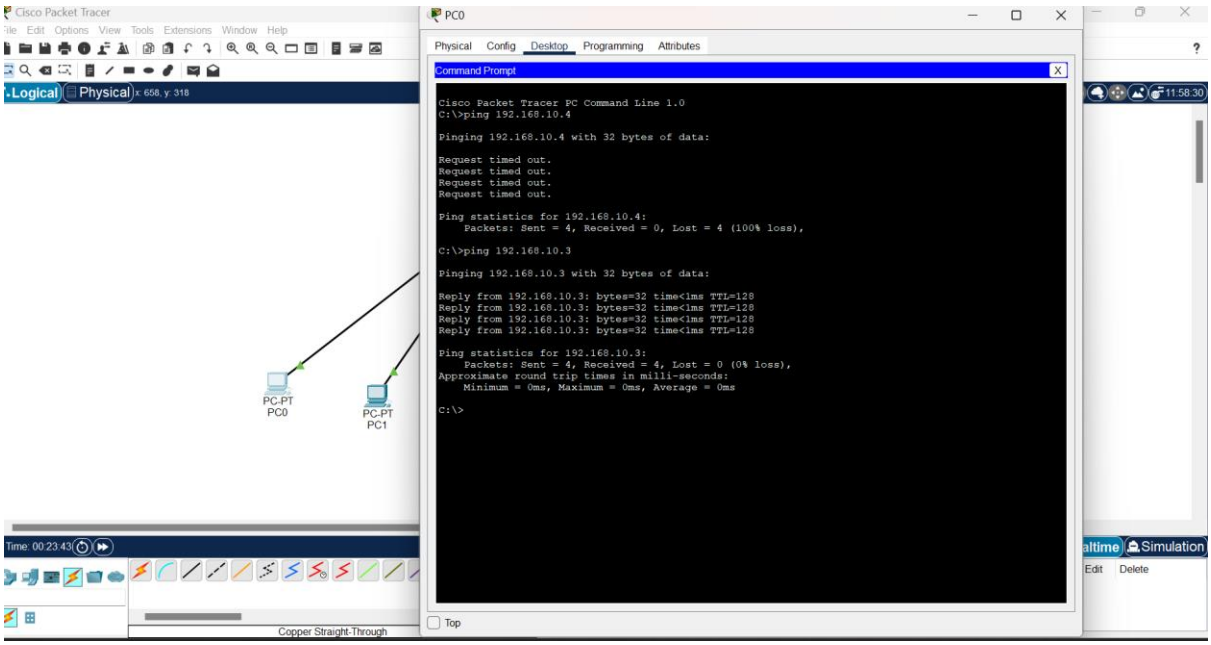
SWITCH

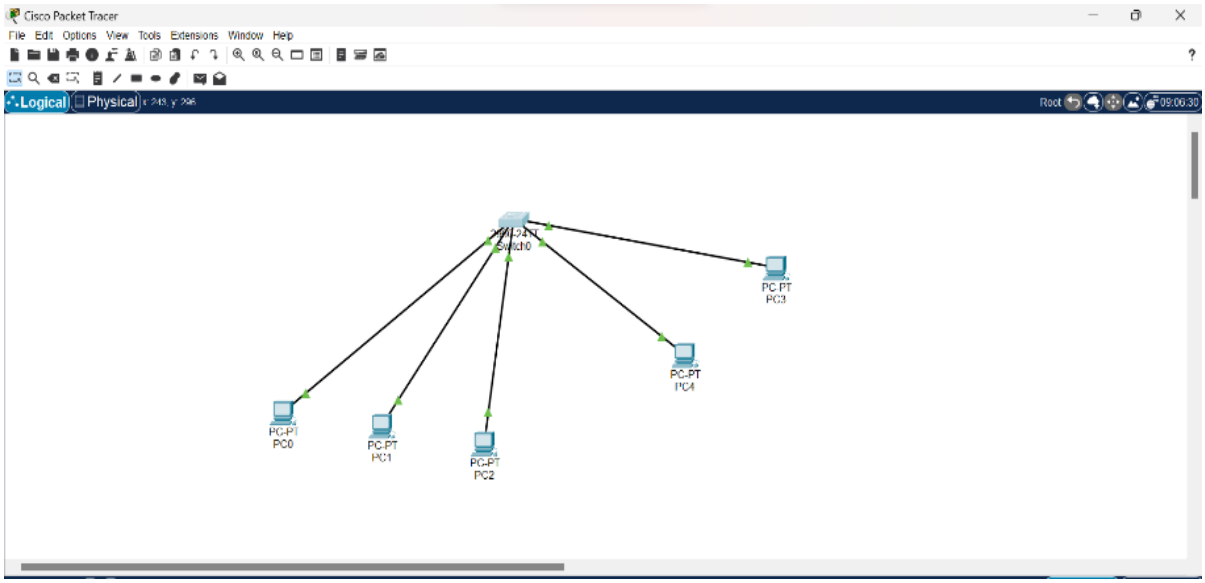
1.CREATE VLAN : When the data packets arrive at the router, they will be forwarded to the correct VLAN via the authorized sub-interface and then arrive at their intended destination.

EXAMPLE 1:





EXAMPLE 2:

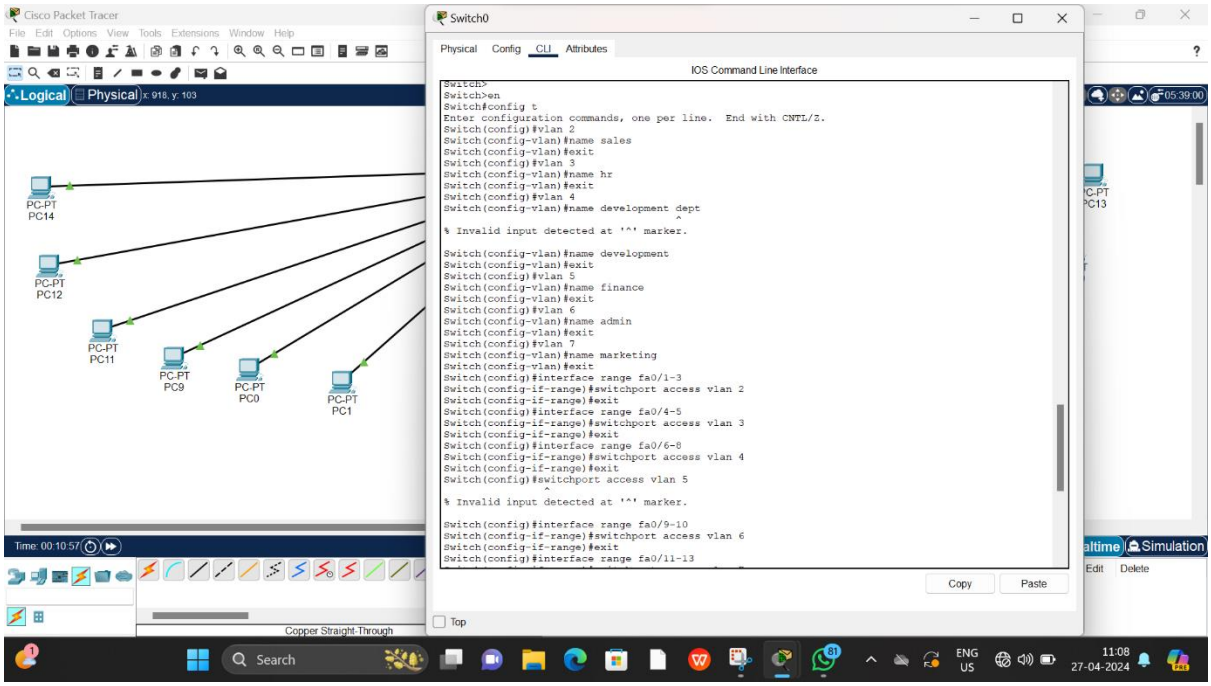



```
Switch(config)#do sh vlan

VLAN Name                              Status    Ports
---- --------------------------------- --------- -------------------------------
1    default                           active    Fa0/5, Fa0/6, Fa0/7, Fa0/8
                                                 Fa0/9, Fa0/10, Fa0/11, Fa0/12
                                                 Fa0/13, Fa0/14, Fa0/15, Fa0/16
                                                 Fa0/17, Fa0/18, Fa0/19, Fa0/20
                                                 Fa0/21, Fa0/22, Fa0/23, Fa0/24
                                                 Gig0/1, Gig0/2
2    sales                             active    Fa0/1, Fa0/2
3    hr                                active    Fa0/3, Fa0/4
1002 fddi-default                      active
1003 token-ring-default                active
1004 fddinet-default                   active
1005 trnet-default                     active

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1    enet  100001     1500  -      -      -        -    -        0      0
2    enet  100002     1500  -      -      -        -    -        0      0
```

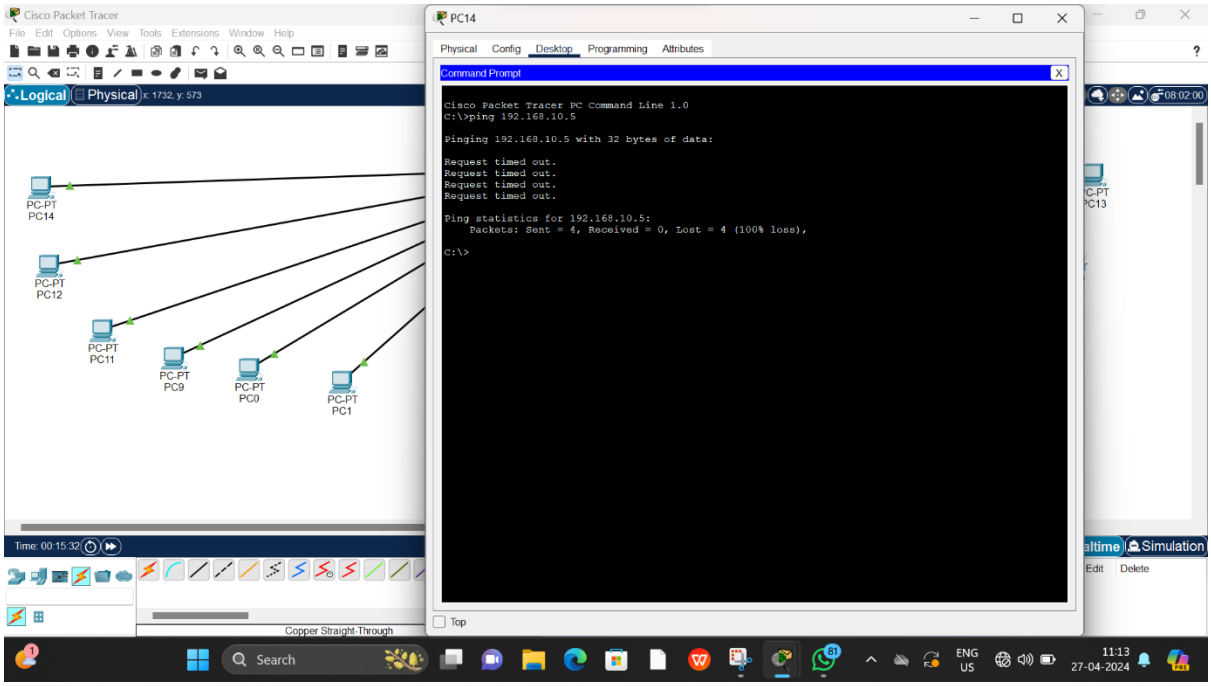
Copy Paste

EXAMPLE 3:

Asssingning fast ethernet to different departments:




```
VLAN Name                              Status    Ports
---- --------------------------------- --------- -------------------------------
1    default                           active    Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                                 Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                                 Fa0/24, Gig0/1, Gig0/2
2    sales                             active    Fa0/1, Fa0/2, Fa0/3
3    hr                                active    Fa0/4, Fa0/5
4    development                       active    Fa0/6, Fa0/7
5    finance                           active    Fa0/8, Fa0/9
6    admin                             active    Fa0/10
7    marketing                         active    Fa0/11, Fa0/12, Fa0/13
8    VLAN0008                          active    Fa0/14, Fa0/15
1002 fddi-default                      active
1003 token-ring-default                active
1004 fddinet-default                   active
1005 trnet-default                     active

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1    enet  100001     1500  -      -      -        -    -        0      0
2    enet  100002     1500  -      -      -        -    -        0      0
 --More--
```


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 1732, y: 573
PC-PT PC14
PC-PT PC12
PC-PT PC11
PC-PT PC9
PC-PT PC0
PC-PT PC1
Time: 00:15:32
Copper Straight-Through
PC14
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.5
Pinging 192.168.10.5 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.10.5:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
Top
08:02:00
PC-PT PC13
Simulation
Edit Delete
Search
ENG US
11:13
27-04-2024