

Fire	Last Status	Source	Destination	Туре	Color	Time(sec)	Periodic	Num	Edit	Delete	
•	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)		

```
Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes=32 time=9ms TTL=128

Reply from 10.0.0.3: bytes=32 time<1ms TTL=128

Reply from 10.0.0.3: bytes=32 time=1ms TTL=128

Reply from 10.0.0.3: bytes=32 time<1ms TTL=128

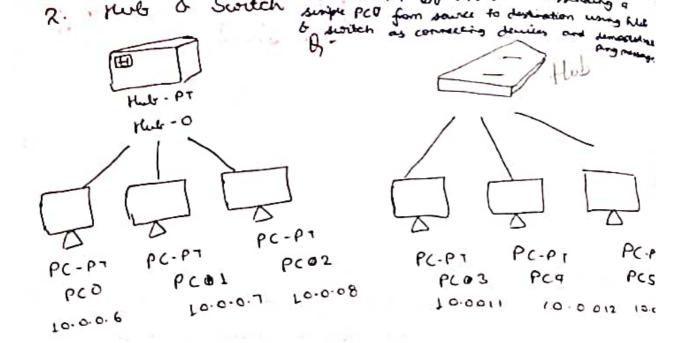
Ping statistics for 10.0.0.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 9ms, Average = 2ms
```

C:\>ping 10.0.0.3



Aim: To create sample network consisting of 3 pcs
connected to a central hub is another
network with 3 PCs connected to a switch
ghis connection will help observe the behave
of data transmission wring hub &
switch demans

Topology. 3 PCs are connected to a hub & suit using straight otherwork ethernel calle observation: Mult broadcasts packets to all demain which may cause unnecessary traffic Scotler forwards packets only to appropriate by learning MAC addresses, making it more efficient in occurrent to office.

Procedure:

- 1. Add 1 hub, I switch and 6PC to the cusco packed traces workspaces
- 2. Close copper straight-dhrough cathes PCO, PC
 PC2 to Multid. Similarly connect PC3, PC
 PC6 to sweeten 0 wing some type of
 Collis.

- Design IP address to earch PC, similarly obtain subset mask
 - Sween to simulation made to observe data traffic betauwin when particles are sent between the devices
 - 5. In this, notice how help brandcast packets to all devices, carrying potential traffic querload. In the switch netrook observe how the switch forwards packets only to the intended recipient reducing unreasony traffic.
 - 6. The hub breadcasts data to all cornered demais leading to more network connected dences while the switch efficiently sends dada only to correct deuce optimining performances tong -600 4 Bir.

and Suntakes Difference blw keeps

1. Hill broadcass data to all devices. tubs create more traffic 2. Switches reduces traffic

Heb

- 3. Hubs cook at physical Rayer
- 4. Hulls are shoon due to shared bandwidth
- 5. Hubs are cheoper.

Svitches

- 1. Switches and it only to the destination
 - by driver data
 - 3. Switches operate at the data and le

5. Switches are more expensive but more efficient .