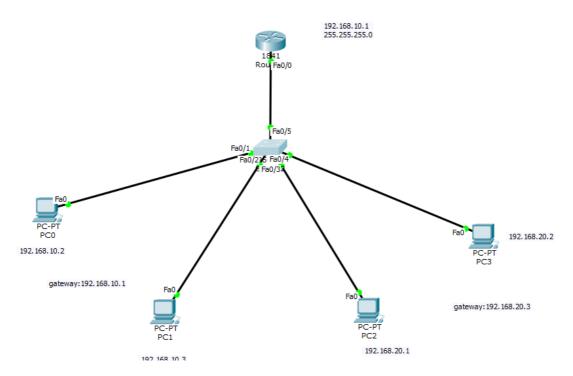
Aim: To create a virtual Lan on top of the physical Lan and enable communication between physical Lan and virtual Lan

#### Topology:



### Output:

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.20.2
Pinging 192.168.20.2 with 32 bytes of data:

Reply from 192.168.20.2: bytes=32 time=0ms TTL=127
Reply from 192.168.20.2: bytes=32 time=0ms TTL=127
Reply from 192.168.20.2: bytes=32 time=3ms TTL=127
Reply from 192.168.20.2: bytes=32 time=4ms TTL=127
Ping statistics for 192.168.20.2:

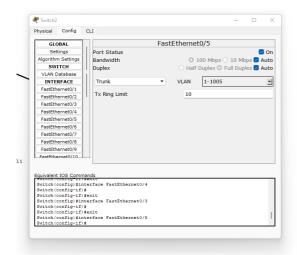
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

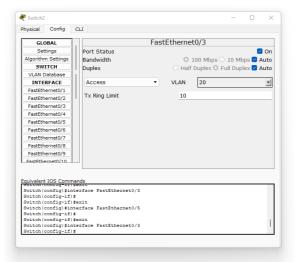
Minimum = 0ms, Maximum = 4ms, Average = 1ms

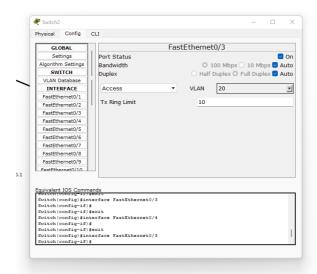
PC>
```

# Configuration:

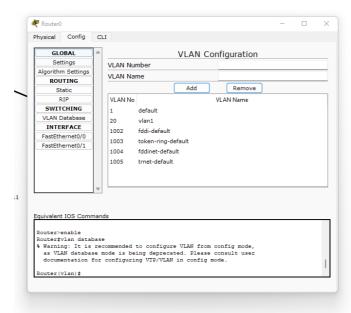
## 1) switch configuration:







#### 2)router configuration:



## Observation:

Shalan	Date Page						
3/12/24	experiment-11/ 2000)						
4	enventional answer and a series of the physical						
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	Aim: To create a virtual LAN on between  LAN and enable communication between						
-	physical LAN and Virtual LANG 1001 99A  physical LAN and Virtual LANG to the router: trunk						
	switch interface correspond therefore						
	TOPOLOGY: SCHOOL						
Claren	14:007 CFA3 3/18:43						
Ottones	192.168.10.1						
	9 Faolo 255,255,255.0						
	1000						
	Fa05 29507-24 whho 98						
space !	1 / 3 witch 2						
1 (thousand)	Fa01-   Scale   10.0.01						
	31207 KJUD ON 100 L						
_	Fao 3 192-168-20						
192-168 10-2	Tao atao atao poste						
PC	PT 191-168-10-3 192-168-20-1						
	PC-PT gatusay:						
	gate ory = 192.168.10.1						
	Configuration:						
(1)	Place 4 PCPT and one 2950T-24 switch, 1841 Route						
(ii)							
632	with Subnetmousk 255-255.255.0						
(u)	configur per and per with 2p address						
	192-168.10.2 and 192.168.10.3 with subnet ma						
(iv)	uper Switch go to Fastethernet 0/5 and change						
	the access to trunk						
(v)	In the Same Switch under KLAN database						
	add a new VIAH Longing with VLAH number as 20 and VIAH name as viens.						

4	Classmate  Date Page Page Page
(vi)	Now water Fastethernet ols and oly change
***	the VIAH 1020.
(VII)	and 192 168.20.02.
(viii)	set the gateway as 192-168+2013 showing
(ix)	
CKIO	Now under car carry out the following commands
	Poutris enables
	Router # config t
	Aouter (config)#1-tropace factethernet 0/01
	Pouter (config-subil) #IP address 192-168.20.3 255.255.
	0.22.0
	Pouter (config siubil) # no shutdown
	Pouter (popp) # (xit sales + ones
(x)	
1000	the following commands (discouns) window
	Pouter ( wan) # exit & mus - mus
	Pouter # configt
	Louter (config) interfau Fastethernet 0/0.1
	Poutr (config-subil) # encapsulation dotig 20
	Pouter (config - subir) # no shoutdown
	Pouter (wonkig - subil) # exit.
(x î)	carry out Ping command arross all the durius.
	(It Equal kined out -) try assigning the 2P address
	to the fastethernut 0/0.1 again after encapsulation dodg 20 commond)
13	OBSERVATION!
	By creating a virtual LAN on top physical
3/12/	LAA we are able to communicate within the
	different oluvius in the dill LAN's.