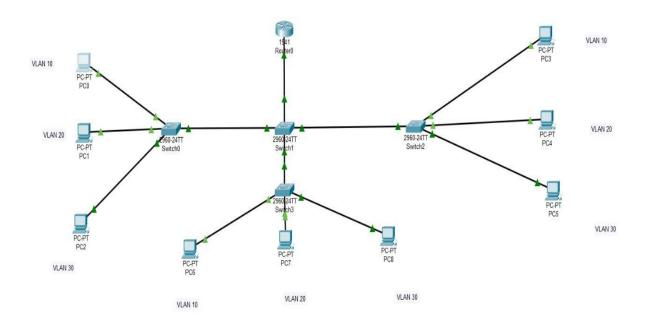
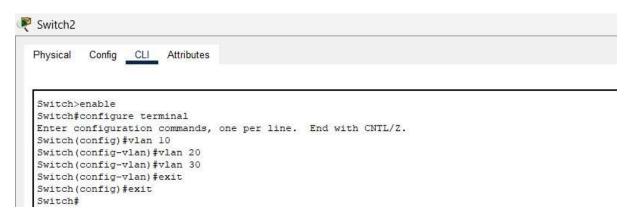
LINUX NETWORKING MODULE 7 AND 8 ASSESSMENT SOLUTION -BY SAKTHI KUMAR S

- 4.Use Cisco packet tracer for the below
 - > Set up trunk ports between switches and try ping between different VLANS
- 5. Change the native VLAN on a trunk port. Test for VLAN mismatches and troubleshoot Topology:





Switch2 Physical Config CLI Attributes Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 10 Switch(config-if) # Switch(config-if) #exit Switch(config) #interface FastEthernet0/1 Switch(config-if) # Switch(config-if) #exit Switch(config) #interface FastEthernet0/2 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 20 Switch (config-if) # Switch(config-if) #exit
Switch(config) #interface FastEthernet0/2 Switch(config-if) # Switch(config-if) #exit Switch(config) #interface FastEthernet0/2 Switch (config-if) #
Switch (config-if) #exit
Switch (config) #interface FastEthernet0/3
Switch (config-if) #switchport mode access
Switch (config-if) #switchport access vlan 30 Switch (config) #exit Switch# %SYS-5-CONFIG_I: Configured from console by console Switch#show vlan brief Ports active Fa0/4, 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 default VLAN0010 10 active Fa0/1 20 VLAN0020 VLAN0030 active active Fa0/2 Fa0/3 1002 fddi-default active 1002 Iddi-default 1003 token-ring-default 1004 fddinet-default 1005 trnet-default active active active Switch#show interfaces trunk Mode Encapsulation Status Native vlan auto n-802.1q trunking 1 Port Gig0/1 Vlans allowed on trunk 1-1005 Port Gig0/1 Port Vlans allowed and active in management domain Gig0/1 1,10,20,30 Vlans in spanning tree forwarding state and not pruned Gig0/1 1,10,20,30 Switch#

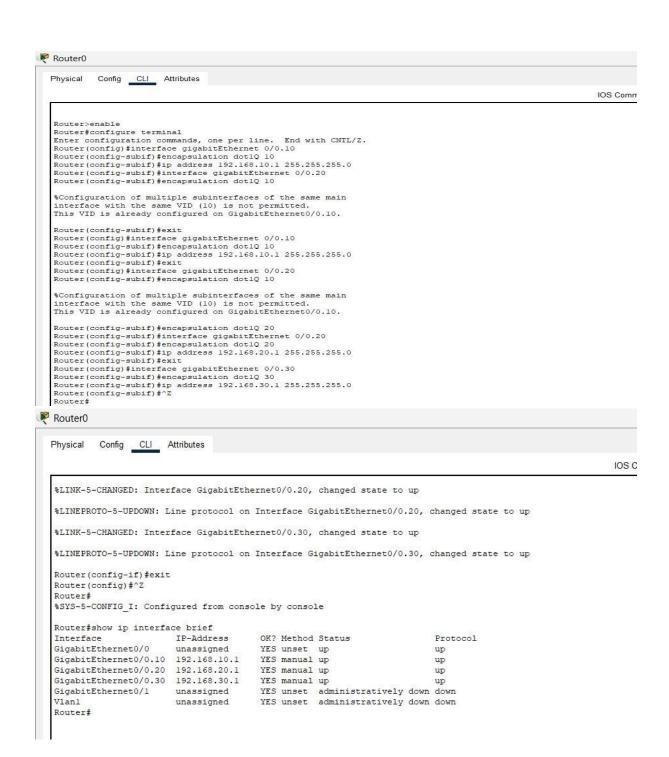
Switch0

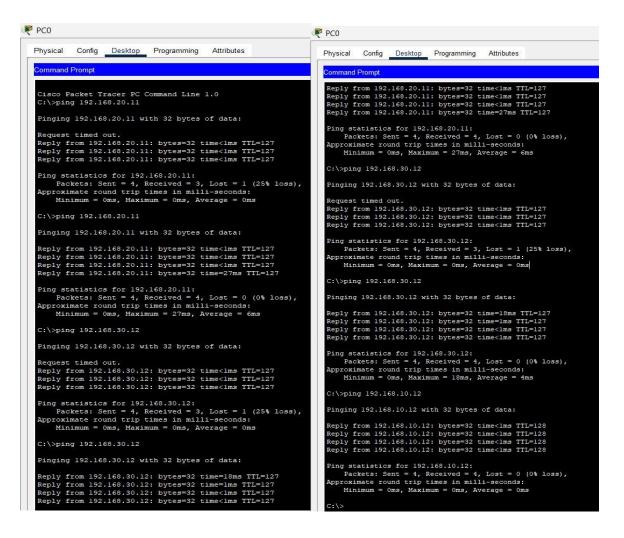
Physical Config CLI Attributes

Switch#show vlan brief			
LAN	Name	Status	Ports
2	default	active	Fa0/4, 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
.0	VLAN0010	active	Fa0/1
0.5	VLAN0020	active	Fa0/2
30	VLAN0030	active	Fa0/3
002	fddi-default	active	
003	token-ring-default	active	
004	fddinet-default	active	
005	trnet-default	active	



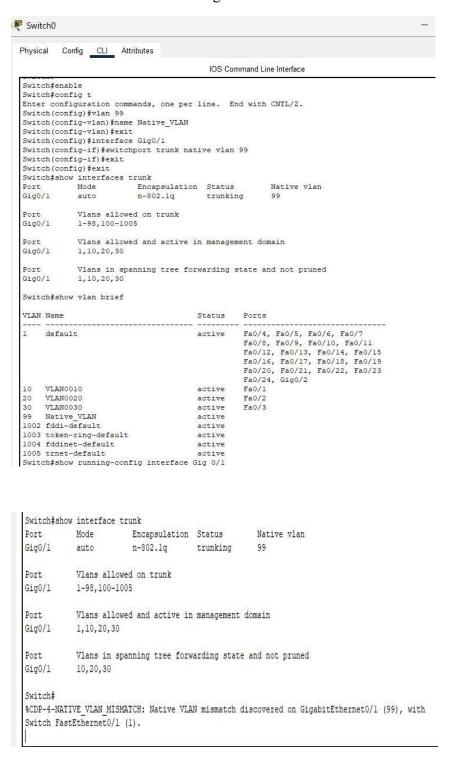
Switch#





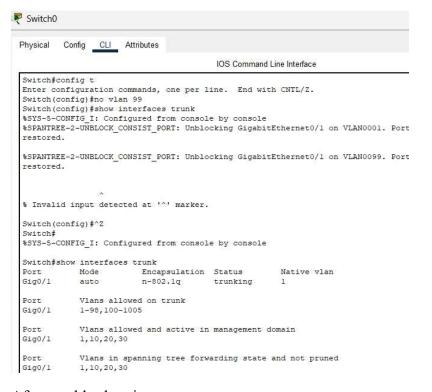
Change the native VLAN on a trunk port. Test for VLAN mismatches and troubleshoot

1. When Native VLAN is changed on a trunk Port Native VLAN mismatch error occurs





Troubleshooting and applying no VLAN 99:



After trouble shooting:

