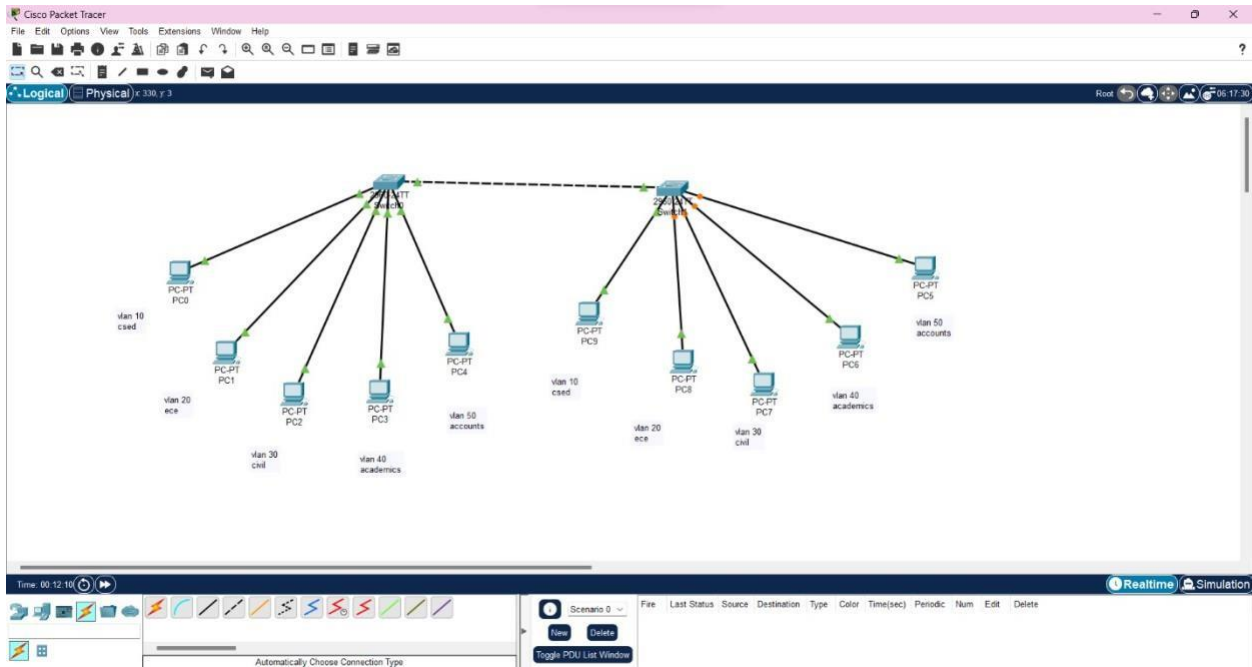


GROUP: CSE(C)

ASSIGNMENT 6

QUE 1:



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 859, y 112

Switch0

Physical Config CU Attributes

GLOBAL

Settings

Algorithm Settings

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

FastEthernet0/5

FastEthernet0/6

FastEthernet0/7

FastEthernet0/8

FastEthernet0/9

FastEthernet0/10

FastEthernet0/11

FastEthernet0/12

FastEthernet0/13

FastEthernet0/14

FastEthernet0/15

FastEthernet0/16

FastEthernet0/17

VLAN Configuration

VLAN Number: 40

VLAN Name: academics

Add Remove

VLAN No: 1 default

VLAN Name: academics

50 accounts

1002 fddi-default

1003 token-ring-default

1004 fddi-net-default

1005 trnet-default

Equivalent IOS Commands

```
Switch(config)#
Switch(config-if)#exit
Switch(config)#
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#
```

Time: 00:00

Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 866, y 104

Switch0

Physical Config CU Attributes

GLOBAL

Settings

Algorithm Settings

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

FastEthernet0/5

FastEthernet0/6

FastEthernet0/7

FastEthernet0/8

FastEthernet0/9

FastEthernet0/10

FastEthernet0/11

FastEthernet0/12

FastEthernet0/13

FastEthernet0/14

FastEthernet0/15

FastEthernet0/16

FastEthernet0/17

FastEthernet0/1

Port Status

Bandwidth

Duplex

Access

Tx Ring Limit

VLAN

10

1 default

10 csl

20 ece

40 academics

50 accounts

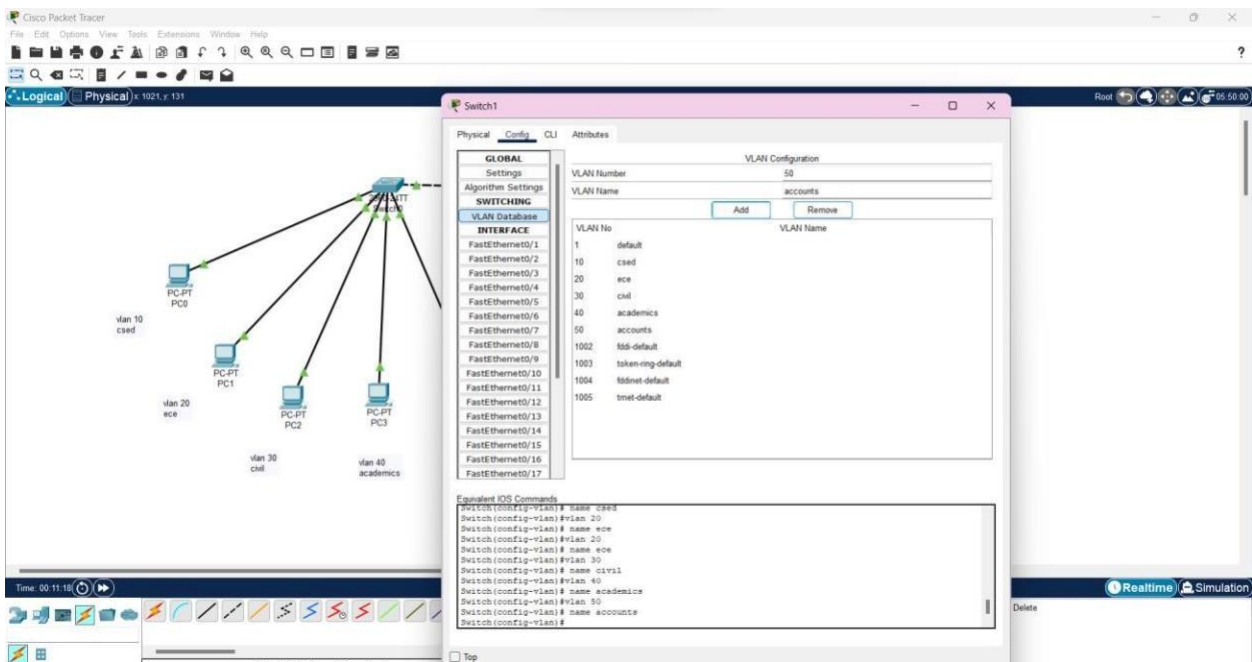
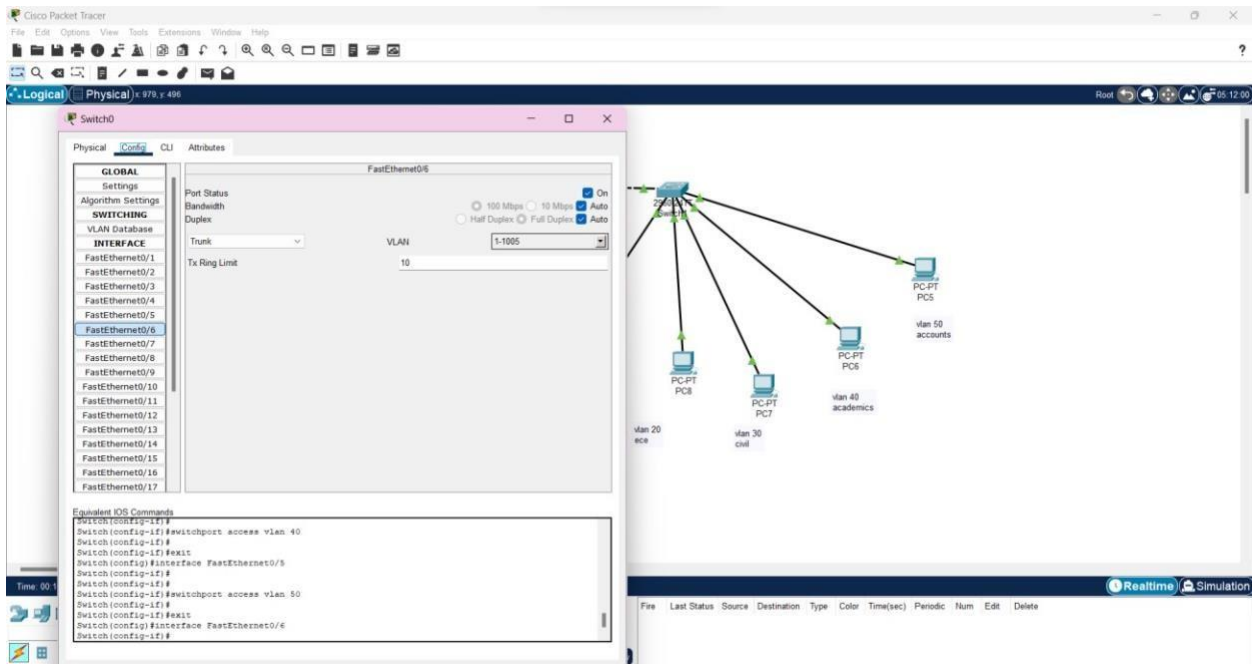
Equivalent IOS Commands

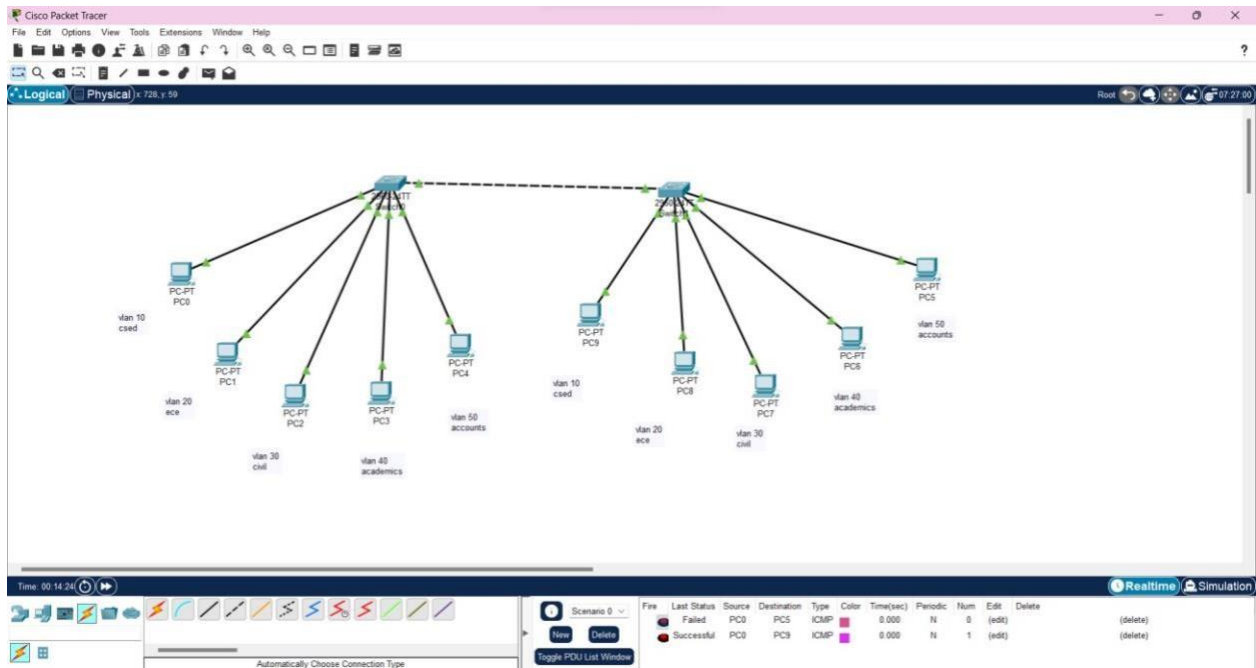
```
Switch(config)#
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
```

Time: 00:00

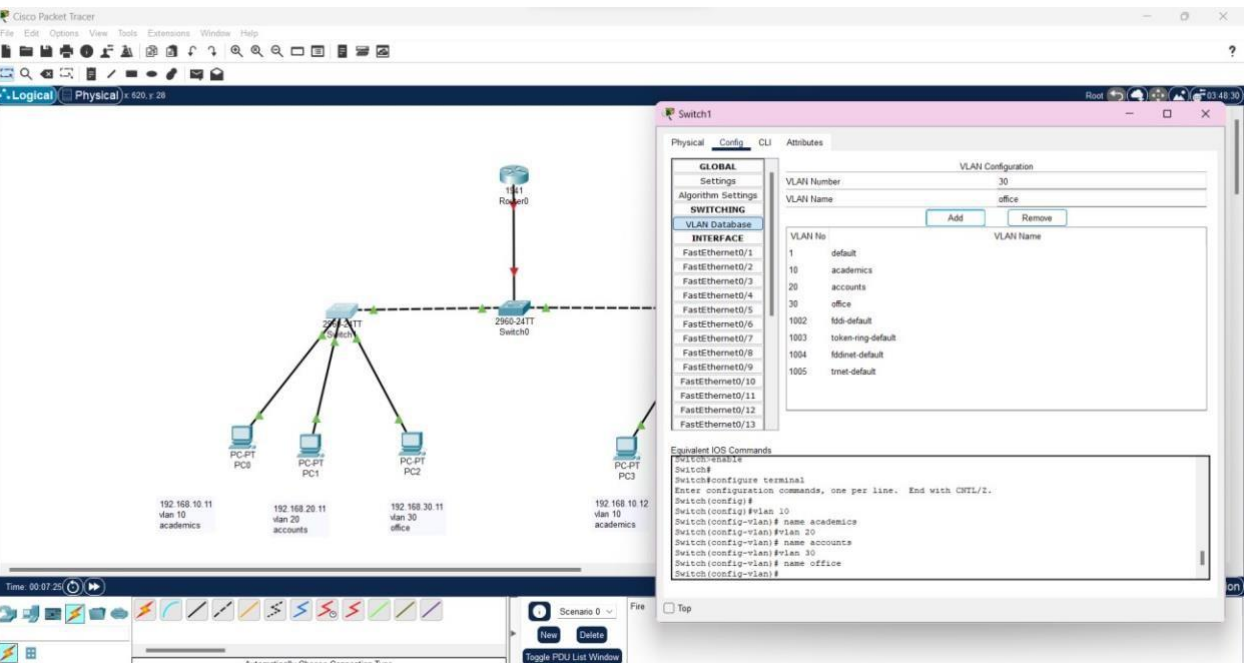
Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete





QUE 2:



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1000, y 312

Switch1

Physical Config CLI Attributes

GLOBAL

Settings

VLAN Configuration

VLAN Number 30

VLAN Name office

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

FastEthernet0/5

FastEthernet0/6

FastEthernet0/7

FastEthernet0/8

FastEthernet0/9

FastEthernet0/10

FastEthernet0/11

FastEthernet0/12

FastEthernet0/13

VLAN No

1 default

10 academics

20 accounts

30 office

1002 fddi-default

1003 token-ring-default

1004 fddinet-default

1005 tnet-default

Equivalent IOS Commands

```
Switch>enable
Switch#
Switch#configure terminal
Enter configuration commands, one per line. End with CTRL/Z.
Switch(config)#
Switch(config)#vlan 10
Switch(config-vlan)#name academics
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name accounts
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name office
Switch(config-vlan)#
```

Switch2

Physical Config CLI Attributes

GLOBAL

Settings

VLAN Configuration

VLAN Number 30

VLAN Name office

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

FastEthernet0/5

FastEthernet0/6

FastEthernet0/7

FastEthernet0/8

FastEthernet0/9

FastEthernet0/10

FastEthernet0/11

FastEthernet0/12

FastEthernet0/13

FastEthernet0/14

FastEthernet0/15

FastEthernet0/16

FastEthernet0/17

VLAN No

1 default

10 academics

20 accounts

30 office

1002 fddi-default

1003 token-ring-default

1004 fddinet-default

1005 tnet-default

Equivalent IOS Commands

```
Switch>enable
Switch#
Switch#configure terminal
Enter configuration commands, one per line. End with CTRL/Z.
Switch(config)#
Switch(config)#vlan 10
Switch(config-vlan)#name academics
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name accounts
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name office
Switch(config-vlan)#
```

92 168.1

lan 10

academics

Time

Top

Automatically Choose Connection Type

Toggle PDU List Window

Simulation

Cisco Packet Tracer - C:\Users\SHASHI RAJ\Downloads\RANDOMCON6QUE2.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x 195, y 29

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface gigabitEthernet 0/0.10
Router(config-subif)#
VLINEPROTO-S-CHANGED: Interface GigabitEthernet0/0.10, changed state to up
VLINEPROTO-S-UPDOWN: Line protocol on Interface GigabitEthernet0/0.10, changed state to up
Router(config-subif)#encapsulation dot1q 10
Router(config-subif)#ip address 192.168.10.1 255.255.255.0
Router(config-subif)#exit
Router(config)#interface gigabitEthernet 0/0.20
Router(config-subif)#
VLINEPROTO-S-CHANGED: Interface GigabitEthernet0/0.20, changed state to up
VLINEPROTO-S-UPDOWN: Line protocol on Interface GigabitEthernet0/0.20, changed state to up
Router(config-subif)#encapsulation dot1q 20
Router(config-subif)#ip address 192.168.20.1 255.255.255.0
Router(config-subif)#exit
Router(config)#interface gigabitEthernet 0/0.30
Router(config-subif)#
VLINEPROTO-S-CHANGED: Interface GigabitEthernet0/0.30, changed state to up
VLINEPROTO-S-UPDOWN: Line protocol on Interface GigabitEthernet0/0.30, changed state to up
Router(config-subif)#encapsulation dot1q 30
Router(config-subif)#ip address 192.168.30.1 255.255.255.0
Router(config-subif)#exit
Router(config)#exit
Router#
SYS-5-CONFIG_I: Configured from console by console

Router#show ip interface brief
Interface IP-Address OK? Method Status Protocol
GigabitEthernet0/0 unassigned YES unset up
GigabitEthernet0/0.10 192.168.10.1 YES manual up
GigabitEthernet0/0.20 192.168.20.1 YES manual up
GigabitEthernet0/0.30 192.168.30.1 YES manual up
GigabitEthernet0/1 unassigned YES unset administratively down down
Vlan1 unassigned YES unset administratively down down
Router#
```

Copy Paste Delete

Time: 00:20:15

Simulation

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 336, y 3

Time: 00:12:16

Simulation

Scenario 0

New Delete

Toggle POI List Window

Automatically Choose Connection Type

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

