**6 Vlan:**

**Switch0:**

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#exit

Switch(config)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#name EEE

VLAN #40 and #30 have an identical name: EEE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 40

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 30

Switch(config-if)#

Switch con0 is now available

Press RETURN to get started.

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#int fa0/4

Switch(config-if)#switchport mode trunk

Switch(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#wr

Building configuration...

[OK]

Switch#

Switch con0 is now available

Press RETURN to get started.

**Switch1:**

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#exit

Switch(config)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 30

Switch(config-if)#exit

Switch(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up

Switch(config)#int fa0/4

Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#wr

Building configuration...

[OK]

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#int fa0/5

Switch(config-if)#swithport mode trunk

^

% Invalid input detected at '^' marker.

Switch(config-if)#switchport mode trunk

Switch(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to up

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#wr

Building configuration...

[OK]

Switch#

Switch con0 is now available

Press RETURN to get started.

**Switch2:**

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 40

Switch(config-if)#exit

Switch(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to up

Switch(config)#int fa0/5

Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#int fa0/4

Switch(config-if)#switchport mode trunk

Switch(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#wr

Building configuration...

[OK]

Switch#

Switch con0 is now available

Press RETURN to get started.

**Switch3:**

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 30

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 40

Switch(config-if)#exit

Switch(config)#int fa0/4

Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

Switch(config)#exit

Switch#

%SYS-5-CONFIG\_I: Configured from console by console

Switch#wr

Building configuration...

[OK]

Switch#show vlan brief

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

Gig1/1, Gig1/2

10 ICE active

20 CSE active Fa0/1

30 EECE active Fa0/3

40 EEE active Fa0/2

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

Switch#