**Commands for Switch 1**

en

configure t

hostname SW1

vlan 10

name UD1

exit

int range f0/1-3

switchport mode access

switchport access vlan 10

exit

int fa0/4

switchport mode trunk

exit

do wr

**Commands for Switch 2**

en

configure t

hostname SW2

vlan 20

name UD2

exit

do sh vlan br

int range f0/1-3

switchport mode access

switchport access vlan 20

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 3**

en

configure t

hostname SW3

vlan 30

name UD3

exit

int range f0/1-3

switchport mode access

switchport access vlan 30

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 4**

en

configure t

hostname SW4

vlan 40

name ADM1

exit

int range f0/1-3

switchport mode access

switchport access vlan 40

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 5**

en

configure t

hostname SW5

vlan 50

name ADM2

exit

int range f0/1-3

switchport mode access

switchport access vlan 50

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 6**

en

configure t

hostname SW6

vlan 60

name ACD1

exit

int range f0/1-3

switchport mode access

switchport access vlan 60

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 7**

en

configure t

hostname SW7

vlan 70

name ACD2

exit

int range f0/1-3

switchport mode access

switchport access vlan 70

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

**Commands for Switch 8**

en

configure t

hostname SW8

vlan 80

name SED

exit

int range f0/1-3

switchport mode access

switchport access vlan 80

exit

do sh vlan br

int fa0/4

switchport mode trunk

exit

do sh vlan br

do wr

do sh int trunk

**Commands for Layer3 switch (SW)**

en

config t

vlan 10

name UD1

exit

vlan 20

name UD2

exit

vlan 30

name UD3

exit

vlan 40

name ADM1

exit

vlan 50

name ADM2

exit

vlan 60

name ACD1

exit

vlan 70

name ACD2

exit

vlan 80

name SED

exit

hostname SW

do sh vlan br

int range gig1/0/1-9

switchport mode trunk

exit

do wr

do sh int trunk

**Commands for Router**

en

conf t

int gig0/0

no shut

exit

int gig0/0.10

encapsulation dot1Q 10

ip address 192.168.10.1 255.255.255.0

exit

int gig0/0.20

encapsulation dot1Q 20

ip address 192.168.20.1 255.255.255.0

exit

int gig0/0.30

encapsulation dot1Q 30

ip address 192.168.30.1 255.255.255.0

exit

int gig0/0.40

encapsulation dot1Q 40

ip address 192.168.40.1 255.255.255.0

exit

int gig0/0.50

encapsulation dot1Q 50

ip address 192.168.50.1 255.255.255.0

exit

int gig0/0.60

encapsulation dot1Q 60

ip address 192.168.60.1 255.255.255.0

exit

int gig0/0.70

encapsulation dot1Q 70

ip address 192.168.70.1 255.255.255.0

exit

int gig0/0.80

encapsulation dot1Q 80

ip address 192.168.80.1 255.255.255.0

exit

do sh ip int br

services dhcp

ip dhcp pool vlan10

network 192.168.10.0 255.255.255.0

default-router 192.168.10.1

dns-server 192.168.10.1

ip dhcp pool vlan20

network 192.168.20.0 255.255.255.0

default-router 192.168.20.1

dns-server 192.168.20.1

ip dhcp pool vlan30

network 192.168.30.0 255.255.255.0

default-router 192.168.30.1

dns-server 192.168.30.1

ip dhcp pool vlan40

network 192.168.40.0 255.255.255.0

default-router 192.168.40.1

dns-server 192.168.40.1

ip dhcp pool vlan50

network 192.168.50.0 255.255.255.0

default-router 192.168.50.1

dns-server 192.168.50.1

ip dhcp pool vlan60

network 192.168.60.0 255.255.255.0

default-router 192.168.60.1

dns-server 192.168.60.1

ip dhcp pool vlan70

network 192.168.70.0 255.255.255.0

default-router 192.168.70.1

dns-server 192.168.70.1

ip dhcp pool vlan80

network 192.168.80.0 255.255.255.0

default-router 192.168.80.1

dns-server 192.168.80.1

ip dhcp excluded-address 192.168.10.1 192.168.10.5

ip dhcp excluded-address 192.168.20.1 192.168.20.5

ip dhcp excluded-address 192.168.30.1 192.168.30.5

ip dhcp excluded-address 192.168.40.1 192.168.40.5

ip dhcp excluded-address 192.168.50.1 192.168.50.5

ip dhcp excluded-address 192.168.60.1 192.168.60.5

ip dhcp excluded-address 192.168.70.1 192.168.70.5

ip dhcp excluded-address 192.168.80.1 192.168.80.5

do wr