Vlan creation:
----
vlan 10
name sales
exit

vlan 11
exit

vlan 100-105
exit

vlan 11
name Mark
exit

Interface fa0/1
Sw access vlan 200
exit

int range fa0/2-4 ,fa0/7,fa0/9-11
Sw access vlan 300
exit

#vlan database
vlan 3000 name HR
exit

PC1	vlan	PC2	vlan	Communication	Reason
1.1.1.1	1	1.1.1.2	1	yes	Same Subnet/Same vlan
1.1.1.1	2	1.1.1.2	1	NO	Same Subnet/Diff vlan
2.2.2.2	1	1.1.1.2	1	NO	Diff Subnet/Same vlan
2.2.2.2	2	1.1.1.2	1	NO	Diff Subnet/Diff Vlan

Administrative mode/Operational mode
1.Static Access
2.Dynamic Auto
3.Dynamic Desirable
4.Trunk

Int g0/0
Sw mode access
exit

int g0/0
Sw mode dynamic auto
exit

int g0/0
Sw mode dynamic desirable

```
exit

int g0/0
Sw mode trunk
exit


SW1-----------------------SW2
SA  --------------------SA,DA,DD  ----> Access link
DA--------------------DA            ----> Access link
SA-----------------------TRunk      ---> Not supported
DA--------------------DA,DD,Trunk  --->Trunk
DD--------------------DD,DA,Tr      ---->Trunk
TR-------------------DA,DD,TR        ---->TRunk


Encap methods
1.ISL
2.Dot1q
3.Nego

SW1------------------------------Sw2        Encapsulation
Dot1q                 Dot1q      Dot1q
Dot1q                 Nego       N-dot1q
ISL                   ISL        ISL
ISL                   nego       n-ISL
nego                  nego       n-ISL
ISL                   dot1q      Not supported

Sw1/Sw2
conf t
vlan 999
name Unused-Vlan
exit



int g0/0
Sw trunk encap dot1q                              ! Define encap method
Sw mode Trunk/Dynamic desirable                   ! To configure trunk link
Sw trunk native vlan 999                          ! Changes the native vlan from def 1 to 999
sw trunk allowed vlan 1,10,200                    ! Creates a list allowed vlans on the trunk link
sw trunk allowed vlan 1,100,4000                  ! Second list overwrites previous list
sw trunk allowed vlan add 10,20                   ! Adds the vlans to the current list
sw trunk allowed vlan all                         ! Allows all vlans (Default)
sw trunk allowed vlan except 10,100-102           ! Does not allow vlans mentioned
Sw trunk allowed vlan none                        ! No vlan is allowed
sw trunk allowed vlan 1,10,20,100-102,200         ! Creates a new list of allowed vlans
Sw trunk allowed vlan remove 20                   ! Removes vlan 20 from the current list
```