**configure VOIP**

configure router

> enable

> configure terminal

> interface FastEthernet0/0

> ip address 192.168.10.1 255.255.255.0

> no shutdown

dhcp setup

> ip dhcp pool abc

> network 192.168.10.0 255.255.255.0

> default-router 192.168.10.1

> option 150 ip 192.168.10.1

configure telephone service

> telephony-service

> max-dn 5

> max-ephones 5

> ip source-address 192.168.10.1 port 2000

> auto assign 4 to 6

> auto assign 1 to 5

configure switch

> interface range fa0/1 – 5

> switchport mode access

> switchport voice vlan 1

configure phone

> ephone-dn 1

> number 54001

> ephone-dn 2

> number 54002

**configure switch vlan**

> enable

> config terminal

create vlan :

> vlan 2

> name A

> exit

assign interface :

> interface FastEthernet 0/1

> switchport access vlan 2

> exit

**configure router for PC**

for fast Ethernet :

> enable

> config terminal

> interface fastEthernet 0/0

> ip address 192.168.10.1 255.255.255.0

> no shutdown

for serial :

> enable

> config terminal

> interface serial 0/0

> ip address 192.168.10.1 255.255.255.0

> no shutdown

**configure router for eigrp**

> enable

> config terminal

> router eigrp 20

> network 192.168.10.0

**configure router for RIP**

> enable

> config terminal

> router RIP

> network 192.168.10.0

**cofigure router for dhcp**

> enable

> config terminal

> ip dhcp pool abc

> network 192.168.10.0 255.255.255.0

> default-router 192.168.10.1

**configure router for OSPF**

> enable

> config terminal

> router ospf 20

> network 192.168.10.0 0.255.255.255 area 0