Router>enable

Router#erase startup-config

Router#reload

Router>enable

Router#conf t

Router(config)#hostname BBS

BBS(config)#no ip domain-lookup

BBS(config)#enable secret class

BBS(config)#banner motd & BYE BYE &

BBS(config)#line console 0

BBS(Config-line)#password cisco

BBS(config-line)#login

BBS(config-line)#exit

BBS(config)#line vty 0 4

BBS(config-line)#password cisco

BBS(config-line)#login

BBS(config-line)#exit

BBS(config)#exit

BBS#copy running-config startup-config

Bbs>en

Bbs#conf t

BBS(config)#interface fa0/0.10

BBS(config-subif)#encapsulation dot1q 10

BBS(config-subif)#ip address 192.168.6.129 255.255.255.192

BBS(config-subif)exit

BBS(config)#interface fa0/0.20

BBS(config-subif)#encapsulation dot1q 20

BBS(config-subif)#ip address 192.168.5.1 255.255.255.0

BBS(config-subif)exit

BBS(config)#interface fa0/0.99

BBS(config-subif)#encapsulation dot1q 99

BBS(config-subif)#ip address 192.168.8.1 255.255.255.252

BBS(config-subif)exit

BBS(config)#interface fa0/0

BBS(config-if)#no shutdown

BBS(config-if)#exit

BBS(config)#exit

BBS#copy running-config startup-config

BBS>en

BBS #conf t

BBS (config)#interface fa1/0

BBS (config-if)#ip address 192.168.7.36 255.255.255.248

BBS (config-if)no shutdown

BBS (config-if)exit

BBS (config)exit

BBS #copy running-config startup-config

BBS>en

BBS#conf t

BBS(config)#ip dhcp excluded-address 192.168.6.129

BBS(config)#ip dhcp excluded-address 192.168.5.1

BBS(config)#ip dhcp pool facultyPool

BBS(dhcp-config)#network 192.168.6.128 255.255.255.192

BBS(dhcp-config)#default-router 192.168.6.129

BBS(dhcp-config)#exit

BBS(config)#ip dhcp pool studentPool

BBS(dhcp-config)#network 192.168.5.0 255.255.255.0

BBS(dhcp-config)#default-router 192.168.5.1

BBS(dhcp-config)#exit

BBS(config)#exit

BBS #copy running-config startup-config

BBS>en

BBS#conf t

BBS(config)#router rip

BBS(config-router)#version 2

BBS(config-router)#network 192.168.6.128

BBS(config-router)#network 192.168.5.0

BBS(config-router)#network 192.168.8.0

BBS(config-router)#network 192.168.7.32

BBS(config-router)#no auto-summary

BBS(config-router)#passive-interface fa0/0

BBS(config-router)#exit

BBS(config)#exit

BBS#copy running-config startup-config

BBS#conf t

BBS(config)#ip route 0.0.0.0 0.0.0.0 fa1/0

BBS(config)#access-list 120 deny ip 192.168.5.0 0.0.0.255 192.168.7.42 0.0.0.0

BBS(config)#access-list 120 permit ip any any

BBS(config)#interface fa1/0

BBS(CONFIG-if)#ip access-group 120 out

BBS(config-if)#exit

BBS(config)#exit

BBS#copy running-config startup-config