Router>enable

Router#erase startup-config

Router#reload

Router>enable

Router#conf t

Router(config)#hostname BIL

BIL(config)#no ip domain-lookup

BIL(config)#enable secret class

BIL(config)#banner motd & BYE BYE &

BIL(config)#line console 0

BIL(Config-line)#password cisco

BIL(config-line)#login

BIL(config-line)#exit

BIL(config)#line vty 0 4

BIL(config-line)#password cisco

BIL(config-line)#login

BIL(config-line)#exit

BIL(config)#exit

BIL#copy running-config startup-config

BIL>en

BIL#conf t

BIL(config)#interface fa1/0.10

BIL(config-subif)#encapsulation dot1q 10

BIL(config-subif)#ip address 192.168.6.1 255.255.255.128

BIL(config-subif)#exit

BIL(config)#interface fa1/0.20

BIL(config-subif)#encapsulation dot1q 20

BIL(config-subif)#ip address 192.168.7.1 255.255.255.224

BIL(config-subif)#exit

BIL(config)#interface fa1/0.99

BIL(config-subif)#encapsulation dot1q 99 native

BIL(config-subif)#ip address 192.168.8.5 255.255.255.252

BIL(config-subif)#exit

BIL(config)#interface fa1/0

BIL(config-if)#no shutdown

BIL(config-if)#exit

BIL(config)#exit

BIL#copy running-config startup-config

BIL>en

BIL#conf t

BIL(config)#interface fa0/0

BIL(config-if)#ip address 192.168.7.35 255.255.255.248

BIL(config-if)#no shutdown

BIL(config-if)#exit

BIL(config)#exit

BIL#copy running-config startup-config

BIL>en

BIL#conf t

BIL(config)#ip dhcp excluded-address 192.168.6.1

BIL(config)#ip dhcp pool facultyPool

BIL(dhcp-config)#network 192.168.6.0 255.255.255.128

BIL(dhcp-config)#default-router 192.168.6.1

BIL(dhcp-config)#exit

BIL(config)#ip dhcp excluded-address 192.168.7.1

BIL(config)#ip dhcp pool studentPool

BIL(dhcp-config)#network 192.168.7.0 255.255.255.224

BIL(dhcp-config)#default-router 192.168.7.1

BIL(dhcp-config)#exit

BIL(config)#exit

Bil#copy running-config startup-config

BIL>en

BIL#conf t

BIL(config)#router rip

BIL(config-router)#version 2

BIL(config-router)#network 192.168.6.0

BIL(config-router)#network 192.168.7.0

BIL(config-router)#network 192.168.8.4

BIL(config-router)#network 192.168.7.32

BIL(config-router)#no auto-summary

BIL(config-router)#passive-interface fa1/0

BIL(config-router)#exit

BIL(config)#exit

BIL#copy running-config startup-config

BBS#conf t

BBS(config)#ip route 0.0.0.0 0.0.0.0 fa0/0

BIL(config)#access-list 10 permit 192.168.0.0 0.0.3.255

BIL(config)#access-list 10 permit 192.168.4.0 0.0.0.255

BIL(config)#access-list 10 permit 192.168.7.40 0.0.0.7

BIL(config)#access-list 10 permit 192.168.7.52 0.0.0.3

BIL(config)#access-list 10 permit 200.195.0.0 0.0.0.31

BIL(config)#interface fa0/0

BIL(config-if)#ip access-group 10 in

BIL(config-if)#exit

BIL(config)#access-list 120 deny ip 192.168.7.0 0.0.0.31 192.168.7.42 0.0.0.0

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

BIL(config)#interface fa0/0

BIL(config-if)#ip access-group 120 out

BIL(config-if)#exit

BIL(config)#exit

BIL#copy running-config startup-config