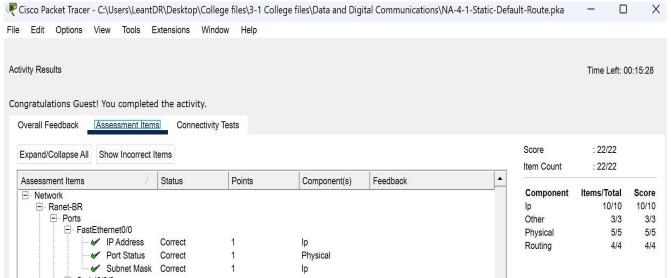
# LAB 4-1: IP Routing - Static and Default Route

# **Source Code**

# Ranet-HQ router ena conf t int s0/0/0 ip add 52.7.9.221 255.255.255.252 no shut int s0/1/0 ip add 77.7.7.254 255.255.255.252 no shut int fa0/0 ip add 52.7.9.206 255.255.255.240 no shut exit ip route 0.0.0.0 0.0.0.0 s0/1/0 ip route 52.7.9.208 255.255.255.248 s0/0/0 do cop r st

# Ranet-BR router ena conf t int s0/0/0 encapsulation hdlc clock rate 64000 ip add 52.7.9.222 255.255.252 no shut int fa0/0 ip add 52.7.9.214 255.255.255.248 no shut exit ip route 0.0.0.0 0.0.0.0 s0/0/0 ip route 52.7.9.192 255.255.255.240 s0/0/0 do cop r st

# **Output Screenshot**



# LAB 4-2: IP Routing - RIP

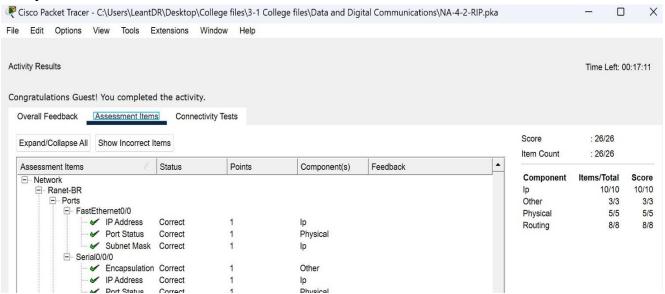
# **Source Code**

### Ranet-HQ router

ena conf t int s0/0/0 ip add 98.83.165.74 255.255.255.252 no shut int s0/1/0 ip add 52.9.236.22 255.255.255.252 no shut int fa0/0 ip add 98.83.165.65 255.255.255.248 no shut exit router rip version 2 no auto-summary network 98.0.0.0 exit ip route 0.0.0.0 0.0.0.0 s0/1/0 do cop r st

Ranet-BR router ena conf t int fa0/0 ip add 98.83.165.81 255.255.255.240 no shut int s0/0/0 encapsulation hdlc clock rate 64000 ip add 98.83.165.73 255.255.255.252 no shut exit router rip version 2 no auto-summary network 98.0.0.0 exit ip route 0.0.0.0 0.0.0.0 s0/0/0

# **Output Screenshot**



do cop r st

# LAB 4-3: IP Routing - OSPF

# **Source Code**

### Ranet-HQ router

ena conf t int fa0/0 no shut ip add 128.0.6.142 255.255.255.240 int s0/0/0ip add 128.0.6.157 255.255.255.252 no shut int s0/1/0 no shut ip add 128.0.6.94 255.255.255.252 exit int loopback 0 ip add 1.1.0.1 255.255.255.0 exit router ospf 1 network 128.0.6.128 0.0.0.15 area 0 network 128.0.6.156 0.0.0.3 area 0 exit ip route 0.0.0.0 0.0.0.0 s0/1/0 do cop r st

Ranet-BR router ena conf t int fa0/0

ip add 128.0.6.150 255.255.255.248

no shut int s0/0/0

ip add 128.0.6.158 255.255.255.252

no shut

clock rate 64000

exit

int loopback 0

ip add 1.1.1.1 255.255.255.0

exit

router ospf 100

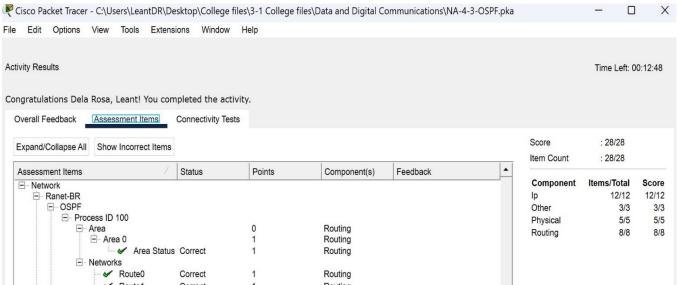
network 128.0.6.144 0.0.0.7 area 0 network 128.0.6.156 0.0.0.3 area 0

exit

ip route 0.0.0.0 0.0.0.0 s0/0/0

do cop r st

# **Output Screenshot**



# LAB 4-4: IP Routing - EIGRP

### **Source Code**

### Ranet-HQ router

ena conf t int fa0/0 ip add 5.88.192.54 255.255.255.248 no shut int s0/0/0 ip add 5.88.192.57 255.255.255.248 no shut int s0/1/0 ip add 5.88.192.226 255.255.255.252 no shut exit router eigrp 10110 network 5.88.192.48 0.0.0.7 network 5.88.192.56 0.0.0.7 no auto-summary exit ip route 0.0.0.0 0.0.0.0 s0/1/0 do cop r st

Ranet-BR router ena conf t int fa0/0 ip add 5.88.192.46 255.255.255.240 no shut int s0/0/0 ip add 5.88.192.62 255.255.255.248 no shut clock rate 64000 exit router eigrp 10110 network 5.88.192.32 0.0.0.15 network 5.88.192.56 0.0.0.7 no auto-summary ip route 0.0.0.0 0.0.0.0 se0/0/0 do cop r st

# **Output Screenshot**

