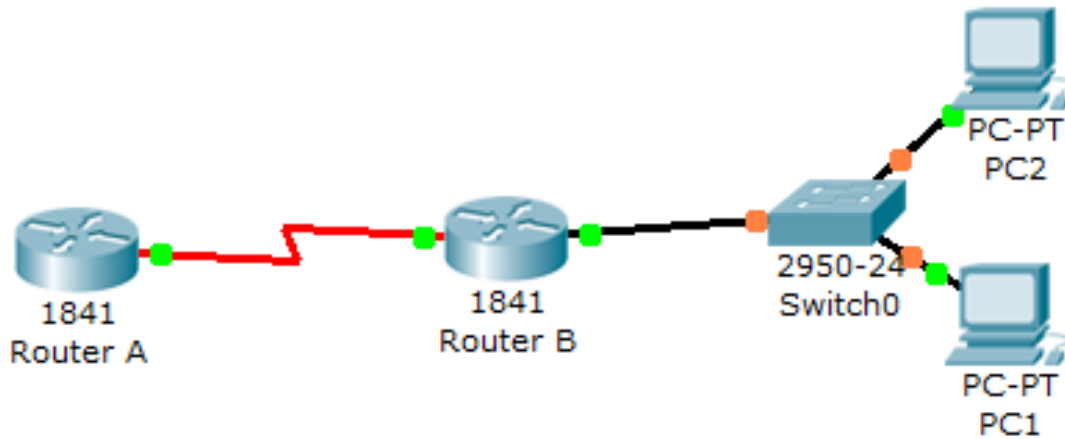


# Static route

#	Student ID	Student Name	Grade (10)
1			



\*\*\*\*\*  
 \*\*\*\*\* **Step 01** \*\*\*\*\*  
 \*\*\*\*\*

**router A**

\*\*\*\*\*

**en**

**config t**

**interface fa0/0**

**ip address 10.0.0.1 255.255.255.0**

**no sh**

**exit**

**interface serial0/1/0**

**ip address 172.16.2.2 255.255.255.0**

**no sh**

**clock rate 2000000**

**exit**

**interface loopback 0**

**ip address 1.1.1.1 255.255.255.255**

**no sh**

**end**

**copy running-config startup-config**

\*\*\*\*\*

```

router b
*****
en
config t
interface fa0/0
ip address 172.16.1.1 255.255.255.0
no sh
exit

```

```

interface serial0/1/0
ip address 172.16.2.1 255.255.255.0
no sh

```

```

exit

```

```

interface loopback 0
ip address 2.2.2.2 255.255.255.255
no sh
end

```

```

copy running-config startup-config

```

```

*****

```

```

PCS

```

```

*****

```

```

PC1 ip: 172.16.1.2      255.255.255.0

```

```

PC2 ip: 172.16.1.3      255.255.255.0

```

```

GW: 172.16.0.1

```

```

*****

```

```

***** Step 02 *****

```

```

*****

```

```

Router A routing

```

```

*****

```

```

enable

```

```

conf t

```

```

ip route 172.16.1.0 255.255.255.0 172.16.2.1

```

```

ip route 172.16.1.0 255.255.255.0 serial0/1/0

```

```

copy running-config startup-config

```

\*\*\*\*\*

**check step 2**

\*\*\*\*\*

**from router A >> ping 172.16.1.2**

**from PC1 >> ping 172.16.2.2**

**from router A >> show ip route**

\*\*\*\*\*

\*\*\*\*\* **Step 03** \*\*\*\*\*

\*\*\*\*\*

**Router B routing**

\*\*\*\*\*

**enable**

**conf t**

**ip route 0.0.0.0 0.0.0.0 172.16.2.2**

**ip route 0.0.0.0 0.0.0.0 Serial0/1/0**

**copy running-config startup-config**

\*\*\*\*\*

**check step 2**

\*\*\*\*\*

**from PC1 >> ping 172.16.2.2**

**from PC1 >> ping 1.1.1.1**

**from router A >> show ip route**

\*\*\*\*\*

\*\*\*\*\* **Step 04** \*\*\*\*\*

\*\*\*\*\*

**Router A routing II**

\*\*\*\*\*

**enable**

**conf t**

**ip route 2.2.2.2 255.255.255.255 172.16.2.1**

**ip route 2.2.2.2 255.255.255.255 Serial0/1/0**

**copy running-config startup-config**

\*\*\*\*\*

**check step 4**

\*\*\*\*\*

**from PC1 >> ping 172.16.2.1**

**from PC1 >> ping 1.1.1.1**

**from router A >> show ip route**

\*\*\*\*\*