At least **2 routers**, **3 switches**, and **3 PCs**

 **Create the topology**:

* Connect Router0 ↔ Switch0 ↔ PC0
* Connect Router1 ↔ Switch1 ↔ PC1
* Connect Router0 ↔ Router1 directly using serial or crossover cable

 **Assign IP addresses**:

* Example:
  + PC0: 192.168.1.2/24
  + PC1: 192.168.2.2/24
  + Router0:
    - Interface to PC0: 192.168.1.1
    - Interface to Router1: 10.0.0.1
  + Router1:
    - Interface to PC1: 192.168.2.1
    - Interface to Router0: 10.0.0.2

Router0(config)# interface FastEthernet0/0

Router0(config-if)# ip address 192.168.1.1 255.255.255.0

Router0(config-if)# no shutdown

Router0(config)# interface Serial0/0/0

Router0(config-if)# ip address 10.0.0.1 255.255.255.0

Router0(config-if)# no shutdown

Router0(config)# ip route 192.168.2.0 255.255.255.0 10.0.0.2

* + Use the ping command from PC0 to PC1.
  + Check routing tables using show ip route.