Router configuration steps:

Step-1(Configuring Router1):
Commands:

Router>enable

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface GigabitEthernet0/0/0

Router(config-if)#ip address 192.168.10.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

Router(config-if)#interface GigabitEthernet0/0/1

Router(config-if)#ip address 192.168.20.1 255.255.255.0

Router(config-if)#no shutdown

Step-2(Configuring PCs):

Assign IP Addresses to every PC in the network.

Select the PC, Go to the desktop and select IP Configuration and assign an IP address, Default gateway, Subnet Mask

Assign the default gateway of PC0 as 192.168.10.1.

Assign the default gateway of PC1 as 192.168.20.1.

PC Configuration Table:

Device Name		IP address	Subnet Mask	Gateway
LAN1:	PC 0	192.168.10.2	255.255.255.0	192.168.10.1
	PC 1	192.168.10.3	255.255.255.0	192.168.10.1
LAN2:	PC 2	192.168.20.2	255.255.255.0	192.168.20.1
	PC 3	192.168.20.3	255.255.255.0	192.168.20.1

Step-3(Connecting PCs with Router):

Connect FastEthernet0 port of PC0 with FastEthernet0/0 port of Router1 using a copper straight-through cable.

Connect FastEthernet0 port of PC1 with FastEthernet0/1 port of Router1 using a copper straight-through cable.

All done.