

Ex NO:100  
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## Internetworking with routers in Cisco Packet Tracer simulation.

In this network, a router and 2 PC's are used, connected with copper-straight through cable. After forming the network, a simple PDU is transferred from PC0 to PC1.

### Procedure:

#### Step 1: (Configuring Router)

1. Select the router and open CLI.
2. Press enter and start configuring Router.

#### Router CLI:

```
enable
config t
interface fastEthernet 0/0
ip address 192.168.10.1 255.255.255.0
no shutdown
interface fastEthernet 0/1
ip address 192.168.20.1 255.255.255.0
no shutdown
```

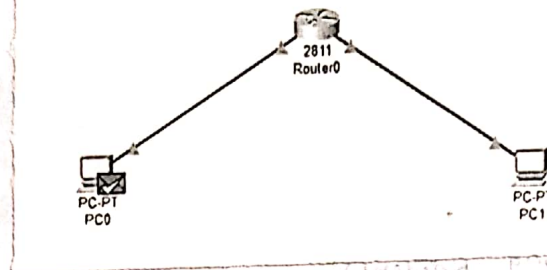
#### Step 2: (Configuring PC's)

1. Assign IP addresses in every PC.
2. Default gateway of PC0 is 192.168.10.1
3. Default gateway of PC1 is 192.168.20.1

#### Step-3: (Connecting PC's with Router):

1. Connect FastEthernet0 port of PC0 with FastEthernet 0/0 port of Router1 using a copper-straight through cable.
2. Connect FastEthernet1 port of PC1 with FastEthernet 0/1 port of Router1 using a copper-straight through cable.

Simulation in Packet Tracer



File	Last Status	Source	Destination	Type	Color	Time(sec)	Period	Num	Edit
●	Successful	PC0	PC1	ICMP		0.000	11	0	(edit)
●	Successful	PC0	PC1	ICMP		0.000	11	1	(edit)

Result:

Thus the internet working with routers is done successfully.

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