**Configure Router with IP address:**

R1# conf t

R1(config)# interface fastethernet0/0

R1(config-if)# ip address 192.168.8.1 255.255.255.0

R1(config-if)# no shutdown

R1(config-if)# exit

**Configure DHCP server**

R1(config)# ip dhcp pool LAN/ipranges

R1(dhcp-config)# network 192.168.8.0 255.255.255.0

R1(dhcp-config)# default-router 192.168.8.1

R1(dhcp-config)# dns-server 192.168.8.1

R1(dhcp-config)# domain-name xyz.com (optional)

R1(dhcp-config)# ip dhcp excluded-address 192.168.8.1 192.168.8.3 (optional)

R1(dhcp-config)# lease infinite

R1(dhcp-config)# end

**Client PC configuration**

PC1> sh ip

PC1> ip dhcp

PC1> sh ip

**Client Router Congf:**

R2#**Configure t**

R2(config)#**no ip routing**

R2(config)#**interface f0/0**

R2(config-if)# **ip address dhcp**

R2(config-if)# **no shutdown**