

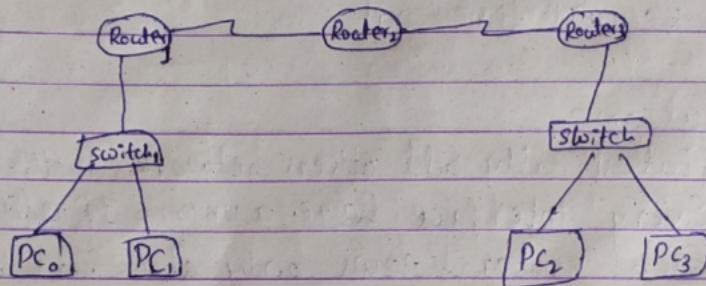
Expt 4 : Configure the default route to the router.

default configuration for the router is

⇒ Router (config) # ip route 0.0.0.0 0.0.0.0 20.0.0.2
this is for Router 0.

⇒ Steps of this expt is :

- Connect 4 pcs, 2 switches & 3 routers using a Cu straight
- ⇒ Configure the PCs
- Configure routers R₀, R₁, R₂
- Assign static ip route for R₀ & default route to the routers R₀ & R₂.



* Outcome :

- Each router knows only about its immediate neighbouring signals
- R₀ is assigned static ip route to 10.0.0.0 & 40.0.0.0
- R₁ & R₂ was made to let any signal go through them to the dest signal.
- Simulation of sending a simple pDU from source to dest shows the route taken by the ICMP packet.
- Pinging gives dest host unreachable if the device networks are not directly connected.
- Configuring default ip routes to the router ensures that the packet passes through the default route when no other router is available for IP dest add.