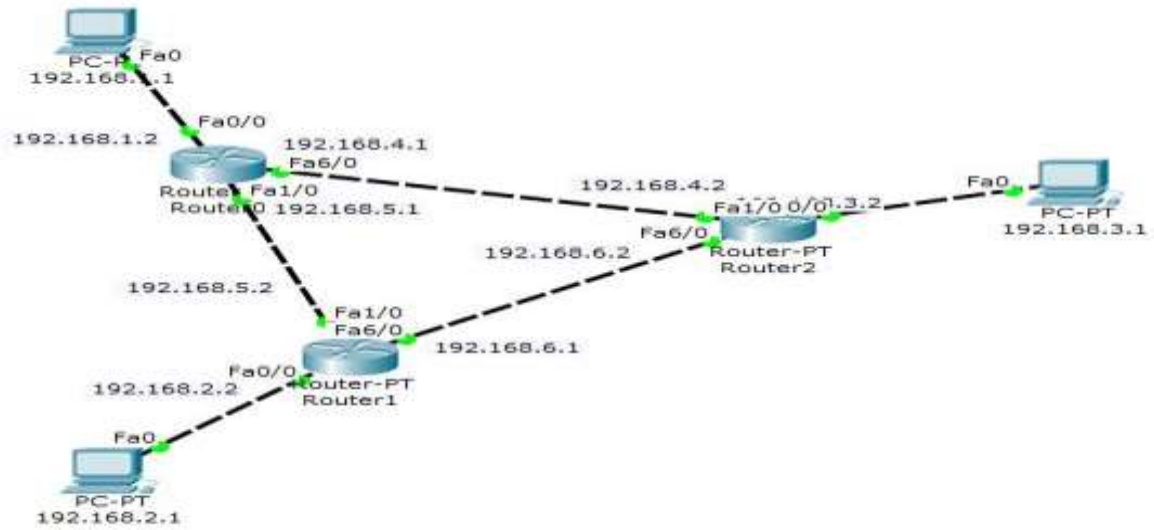
Experiment No: 03
Experiment Name: Packet through Routers (Routers Configured with CLI)

Objective:
Since we're going to transfer packet through Routers. we'll design a simple network diagram using "CISCO Packet Tracer".
In this experiment we'll test a simple packet transfer from one PC to another. The circuit contains 3 Routers with delta connection & some PCs. We'll configure the routers via command line interface and evaluate packet transfer (ICMP packet).

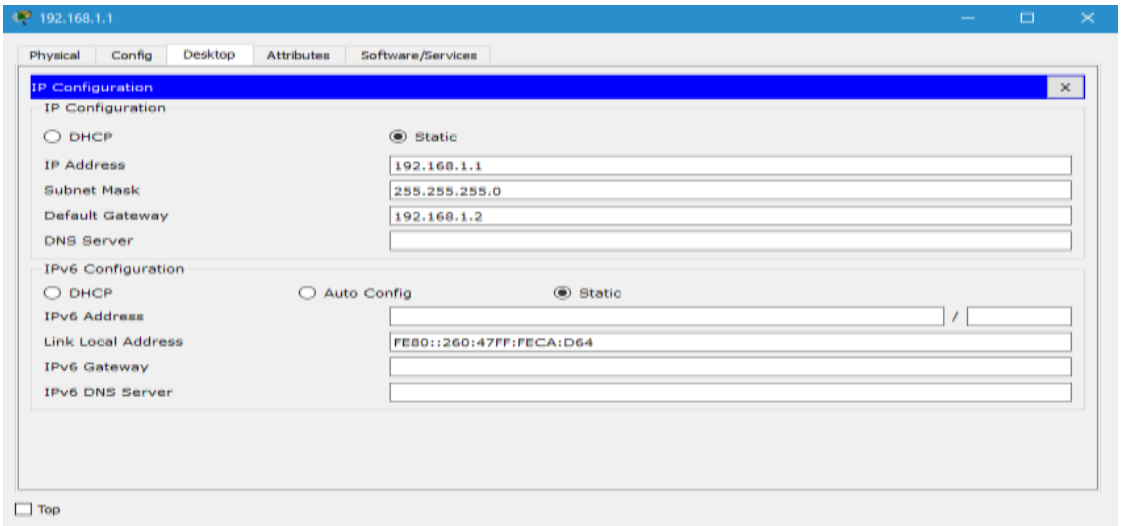
Design procedure:

- Here a simple network connection using Routers connected via a delta connection:

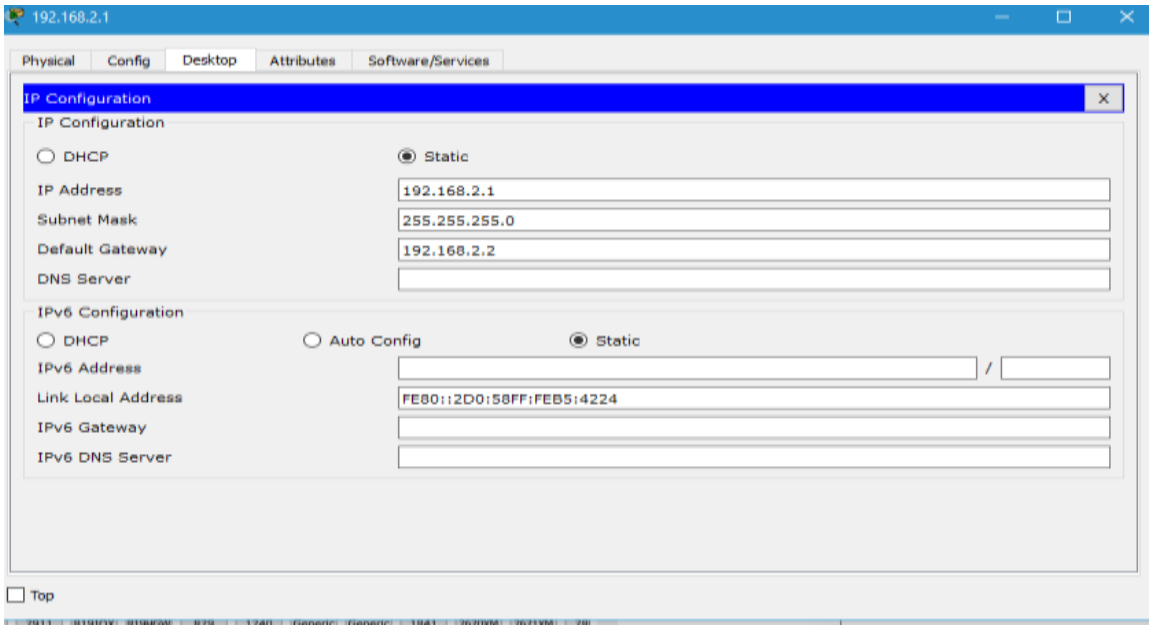


The above figure shows the connection among PCs & routers.

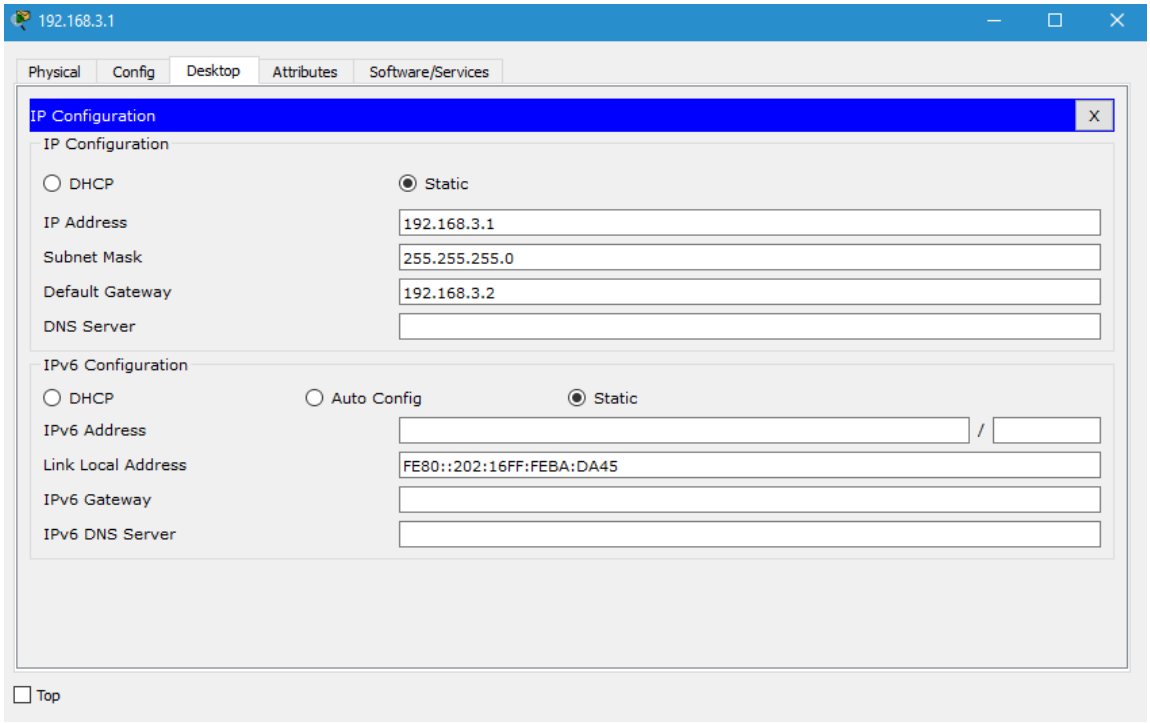
- ***Details procedure of router, End Device configuration:***
  - ***End Device IP address configure:***
  - ***Device1***



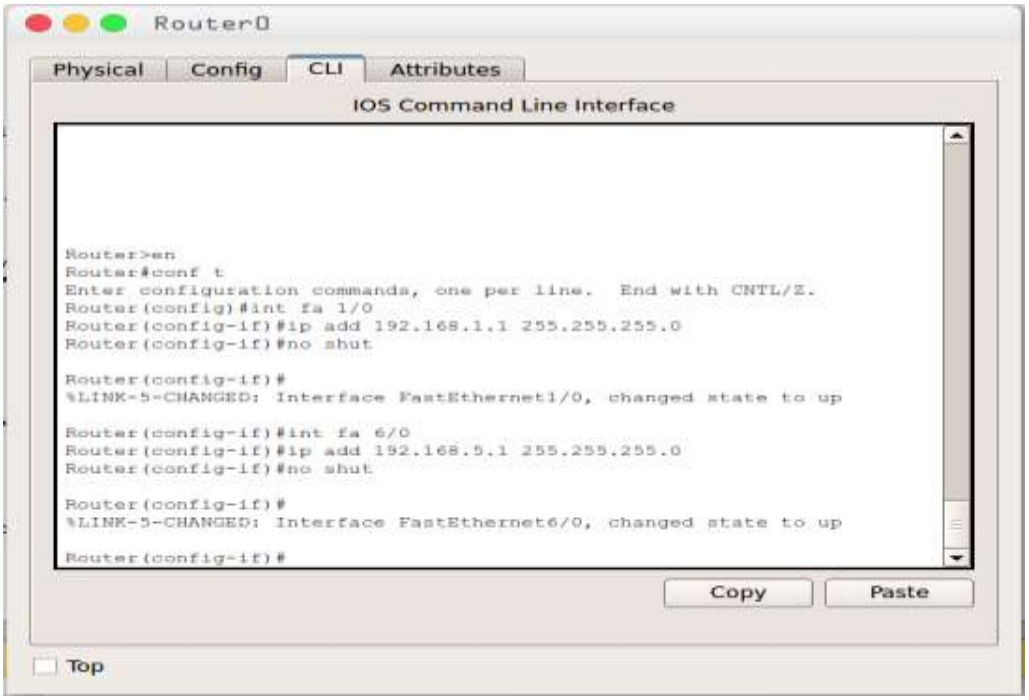
- ***Device 2***



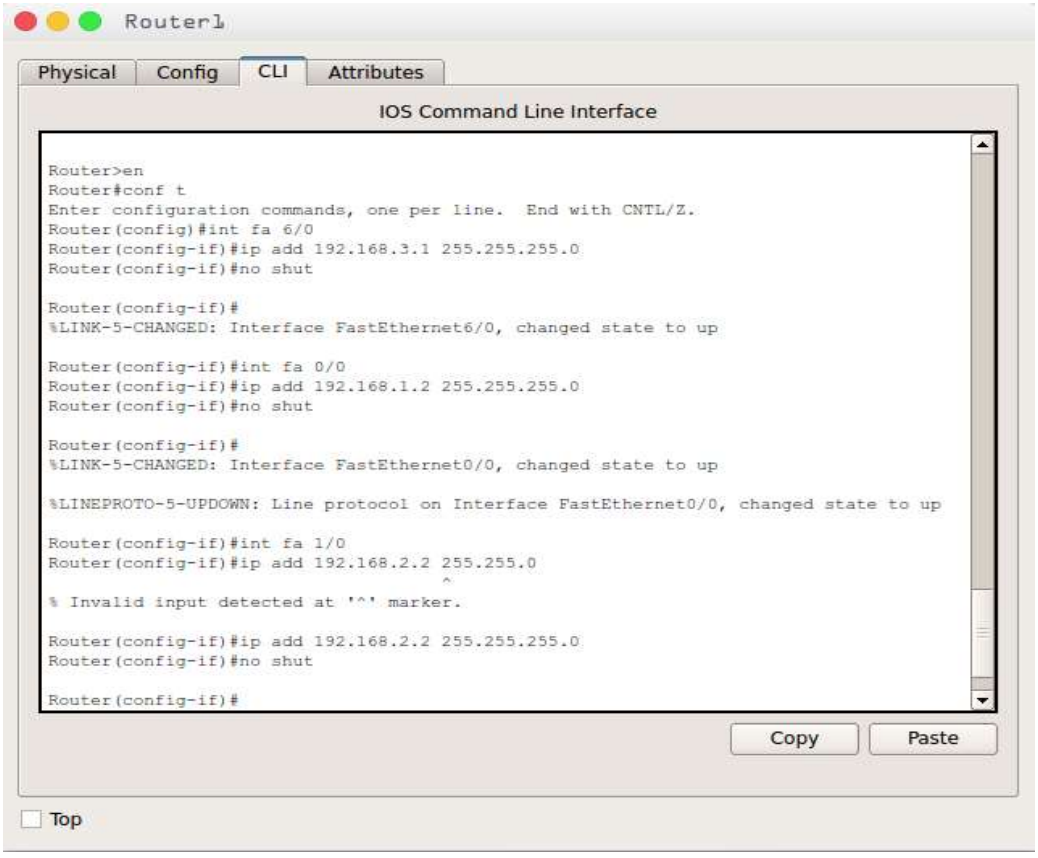
- ***Device 3***



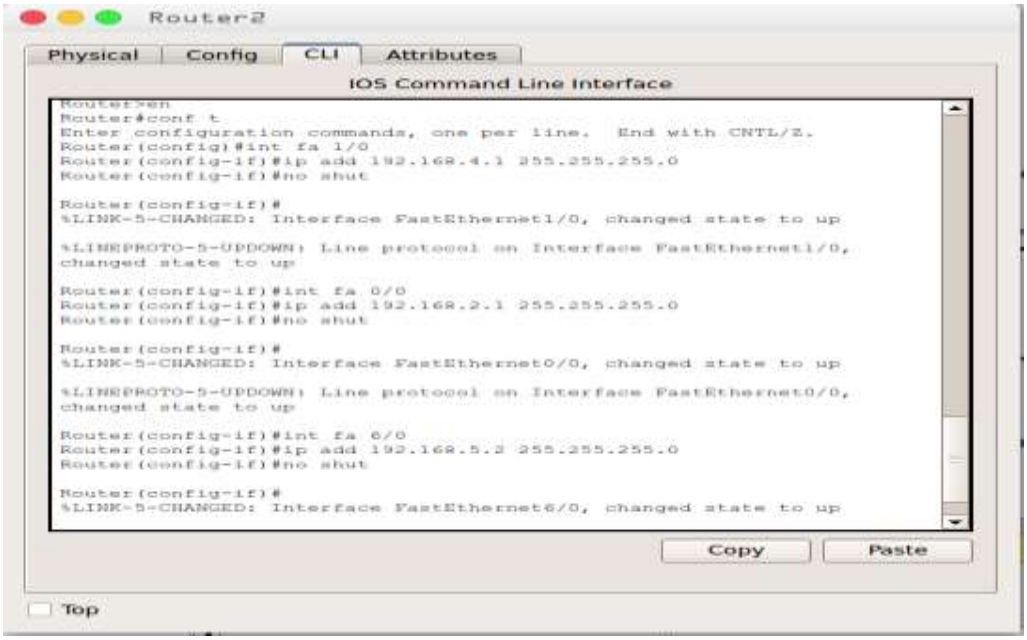
- ***Router configuration with CLI:*** *Each Router requires two step to be fully functional, first step we assign IP-addresses relative to each router. The second step we make the routing table ready. The router configuration for each router is as follows**:***
  - ***Router:0***



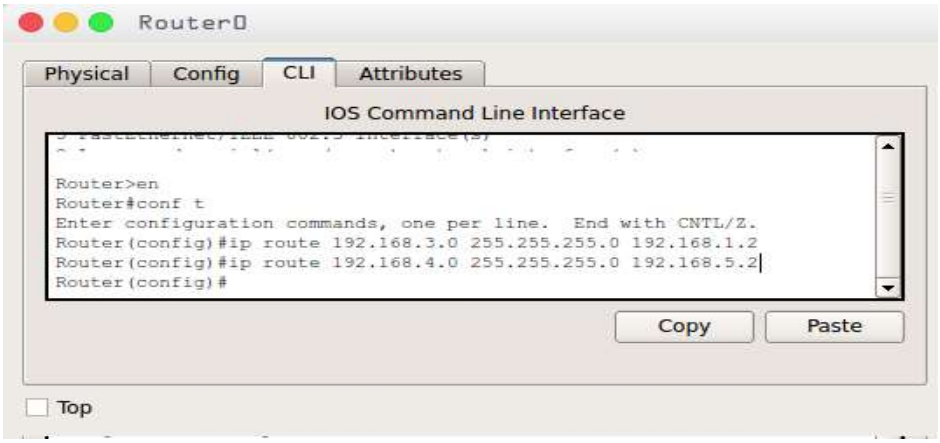
  - ***Router:1***



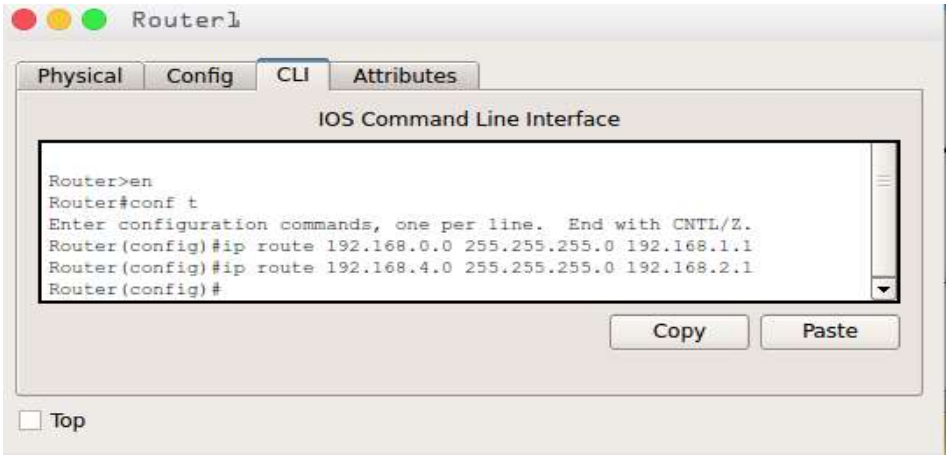
- ***Router:2***



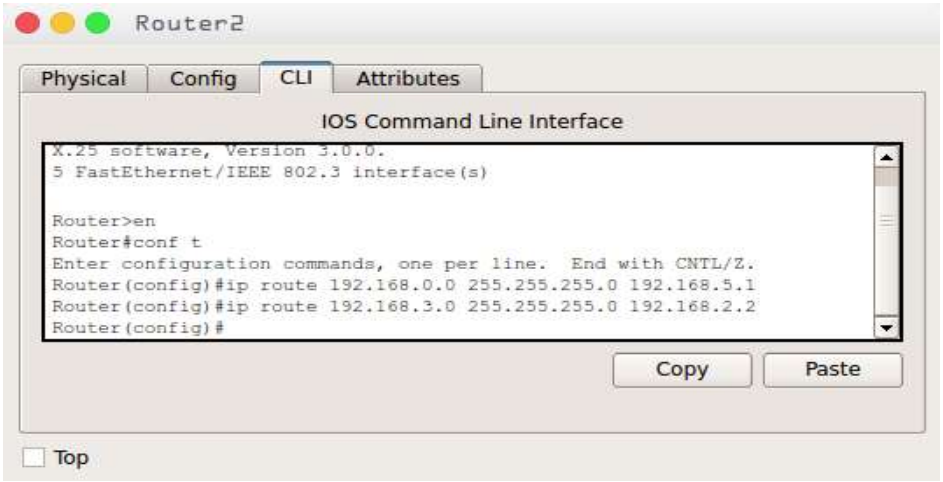
- **Routing Table:**
  - **Router-0**



  - **Router-2**



- **Router-3**



- Packet transferring between two Device.