

①

# Computer Networks

## Batch - 3

Rutazet Ritik Raut  
IBM18CS151  
15/10/20

### Program - 4

Purpose of ping :- to check if destination is alive or not.

Configuring default route to router :-

A particular network will not know if the other network is it connected or not.

0.0.0.0 → any network

By default gateway we can allow any network.

Learning Outcomes:-

- Creating a topology with multiple routers & switches
- Configuring default gateway & ip address.
- Configuring ip address for the interfaces
- Pinging gives destination host unreachable if the device networks are not directly connected.
- Configuring static ip route to a router
- Configuring default ip route to a router ensuring that the packet passes through the default route when no other router is available for an IP destination address.
- On configuring the default ip router, pinging gives the required response.
- Simulation of sending a simple PDU from source to destination shows the route taken by the ICMP packet.

Rutazet