# **CN Lab 10: Implementation of Multi Area OSPF**

#### Procedure:

### 1. Open Packet Tracer:

Launch Cisco Packet Tracer on your computer.

## 2. Create a Network:

- Drag four routers onto the workspace and connect them to form two separate OSPF areas with an Area 0 backbone.
- Connect a computer to each router using Ethernet cables.

## 3. Configure IP Addresses:

Assign IP addresses to each interface on the routers and computers.

## 4. Enable OSPF:

- Access the CLI of each router.
- Enable OSPF on Area 0 routers: router ospf 1.
- Advertise connected networks: network <network address> area
  0.
- Enable OSPF on Area 1 routers: router ospf 1.
- Advertise connected networks: network <network address> area

## 5. Test Connectivity:

Use the ping command to test connectivity between the computers.

## **Output:**













