**Task: Configure a Small Routed Network with Static Routing**

**Scenario**

You are setting up a small company network with 3 departments connected via routers:

HR Dept: Network 192.168.1.0/24

IT Dept: Network 192.168.2.0/24

Finance Dept: Network 192.168.3.0/24

You have 3 routers (R1, R2, R3), each connected to one department. The routers are also connected to each other in a triangle topology.

**Requirements**

* Assign appropriate IP addresses to all router interfaces and PCs.
* Configure static routes on each router so all 3 departments can communicate.

Test connectivity using ping from:

HR → IT

IT → Finance

Finance → HR

(Bonus) Configure a default route on one router pointing to another, and verify routing still works.

**Deliverables**

Subnet table (router interface IPs, PC IPs, subnet masks).

Static route configurations for each router.

Ping test results (showing successful communication).

**Tools you can use:**

Cisco Packet Tracer (easiest)

GNS3 (realistic)

Even VirtualBox/VMs with Linux and IP route