Lab Sheet – 04

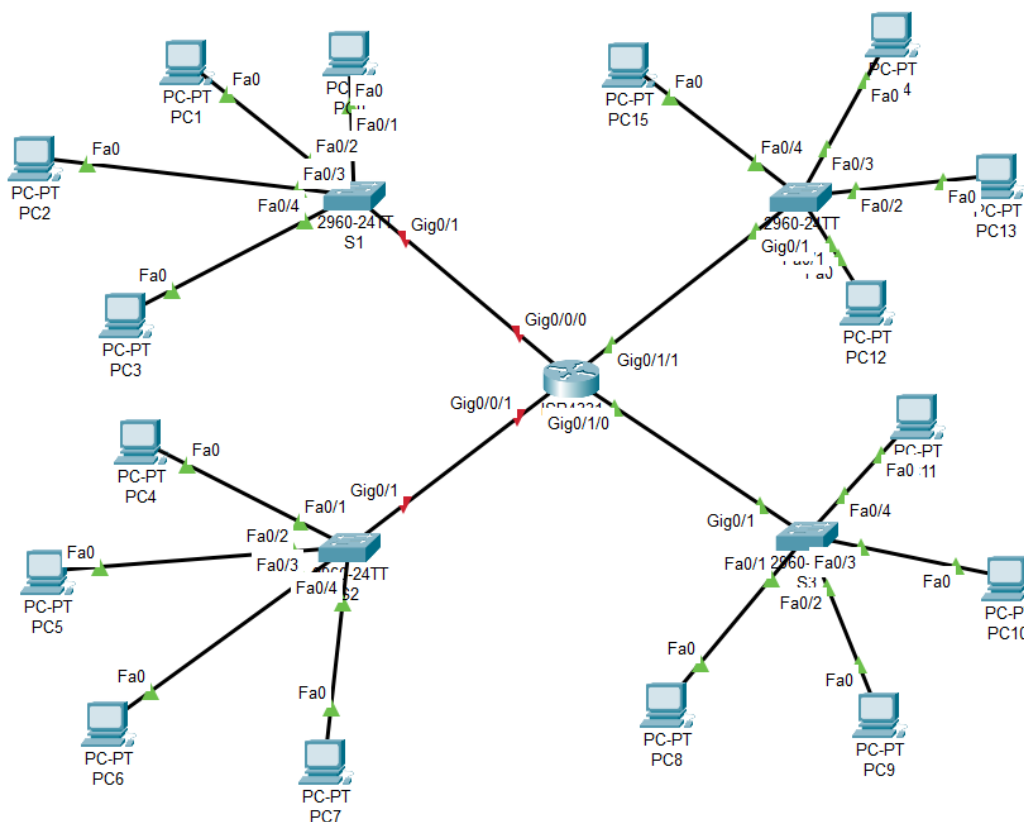**Title:** Network devices configuration practice

Aim:

- Get practice with basic configuration in Router and Switch

Task:

- Follow the lab sheet and configure network device accordingly.

Design a network as follows

Addressing Table

Devices	Interfaces	IP Addresses	Subnet Mask / Default Gateway
R1	G0/0/0	10.1.10.1	255.255.255.0
	G0/0/1	10.1.20.1	255.255.255.0
	G0/1/0	172.6.10.1	255.255.255.0
	G0/1/1	172.6.20.1	255.255.255.0
PC0	NIC	10.1.10.10	

PC1	NIC	10.1.10.11	
PC2	NIC	10.1.10.12	
PC3	NIC	10.1.10.13	
PC4	NIC	10.1.20.10	
PC5	NIC	10.1.20.11	
PC6	NIC	10.1.20.12	
PC7	NIC	10.1.20.13	
PC8	NIC	172.6.10.10	
PC9	NIC	172.6.10.11	
PC10	NIC	172.6.10.12	
PC11	NIC	172.6.10.13	
PC12	NIC	172.6.20.10	
PC13	NIC	172.6.20.11	
PC14	NIC	172.6.20.12	
PC15	NIC	172.6.20.13	

Activities

Exercise 01:

1. Create a topology as mentioned above.
2. Configure basic configuration on router and switches through console cable from any PC.
   a. Configure hostname according to display name
   b. Prevent unwanted DNS lookup
   c. Configure password protection to console line
   d. Configure VTY line password.
   e. Configure password protection to privileged EXEC mode
   f. Encrypt all password
   g. Assign IP addresses to the interfaces according to the addressing table
   h. Configure proper banner message
   i. Save configurations
3. Verify running configurations on router
4. Try to ping between PCs
   If pinging not success discuss and find a solution