**LAB-9**

**SUBNETTING VLSM**

**SUBNET THE PARENT NETWORK 192.168.1.0/24**

**PROCEDURE:**

1. We will take 2 routers and two switches connected to each router and three PCs connected to each switch.
2. We will do the subnetting 192.168.1.0 /24
3. On router1 we will assign IP to the router 192.168.1.1 and subnet mask in 255.255.255.128.
4. We will give IPs to the pc as we did in the previous practicals
5. We will give IP to the router 2 that is 192.1681.129 to it and we will assign IPs to its PCs according the IP as we did in router 1
6. Now for the static route, router 1 interface is int fa0/1 we will give IP 10.0.0.1 and subnet mask will be 255.255.255.252
7. On router 2 the interface for static route is interface fa0/0 we will assign IP 10.0.0.2 and subnet mask will be same as router 1
8. Now we will ping from PC of router1 to PC of router 2 and we get reply and it means that our configuration was successful.