Lab for OSPF
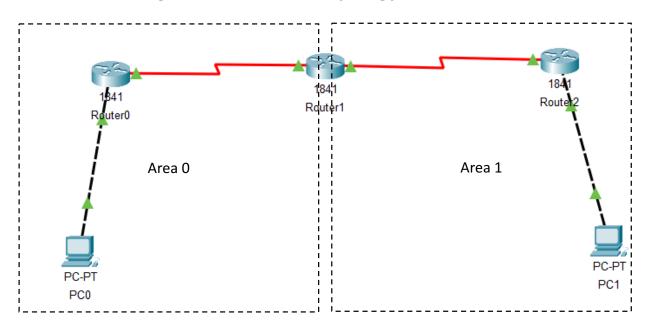
    I.   Configure OSPF for this topology with multi area.

Devices	Interface	IP Address
PC0	Fa0	1.0.0.2/8
Router0	Fa0/0	1.0.0.1/8
	Se0/0/0	2.0.0.1/8
Router1	Se0/0/0	2.0.0.2/8
	Se0/0/1	3.0.0.1/8
Router2	Se0/0/0	3.0.0.2/8
	Fa0/0	4.0.0.1/8
PC1	Fa0	4.0.0.2/8

(i)   Configure IP addresses for each PC and router.

(ii)   Configure OSPF routing in each router.

(iii)   Examine OSPF is running in each router using the commands ``show ip route'' and ``show ip ospf neighbor''

(iv)   Verify the connectivity of PC0 and PC1 using ping.

(v)   Take screenshot for OSPF configuration in each router; ``show ip route'' and ``show ip ospf neighbor'' of Router0, Router1 and Router 2; ping from PC0 to PC1.