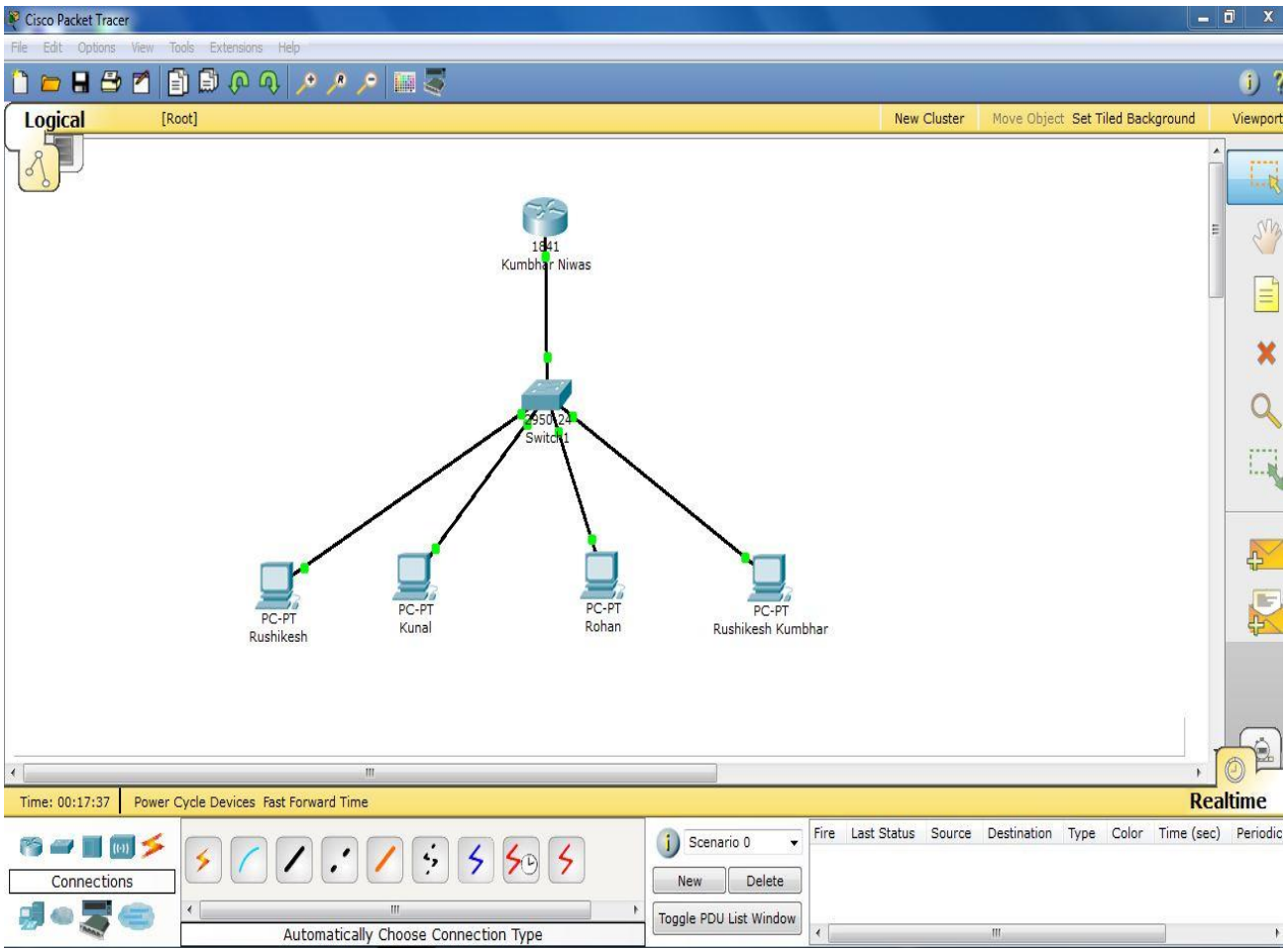
Experiment N0:- 10

Aim:-Configuration Vlan Using Packet Tracer.

Theory:-



Vlan on Switch:-

- Switch>enable
- Switch#vlan database
- Switch(vlan)#vlan 10 name A
- Switch(vlan)#vlan 20 name
- Switch(vlan)#exit
- Switch#configure terminal
- Switch(config)#int fa0/2

- Switch(config-if)# switchport mode-access
- Switch(config-if)# switchport access vlan 10
- Switch(config-if)#int fa0/3
- Switch(config-if)# switchport mode access
- Switch(config-if)# switchport access vlan 10
- Switch(config-if)#int fa0/4
- Switch(config-if)# switchport mode access
- Switch(config-if)# switchport access vlan 20
- Switch(config-if)#int fa0/5
- Switch(config-if)# switchport mode access
- Switch(config-if)# switchport access vlan 20
- Switch(config-if)#end
- Switch#configure terminal
- Switch(config)#interface fastEthernet 0/1
- Switch(config-if)# switchport mode trunk
- Switch(config-if)#end

VLAN on Router:-

- Router#configure terminal
- Enter configuration commands, one per line. End with CNTL/Z.
- Kumbhar Niwas(config)#int fa0/0
- Kumbhar Niwas(config-if)#no shutdown
- Kumbhar Niwas(config-if)#int fa0/0.1
- Kumbhar Niwas(config-subif)#encapsulation dot1Q1
- Kumbhar Niwas(config-subit) #ip address 192.168.1.1 255.255.255.0
- Kumbhar Niwas(config-subif)#int fa0/0.2
- Kumbhar Niwas(config-subif)#cncapsulation dot1Q 10
- Kumbhar Niwas(config-subif)#ip address 192.168.5.1 255.255.255.0

- Kumbhar Niwas(config-subif)#int fa0/0.3
- Kumbhar Niwas(config-subif)#encapsulation dot1Q 20
- Kumbhar Niwas(config-subif)#ip address 192.168.6.1 255.255.255.0
- Kumbhar Niwas(config-subif)#end

Conclusion:- Hence We have Successfully Implemented how to Configuration Vlan Using Packet Tracer.