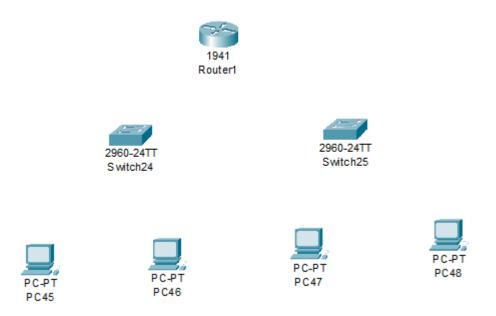
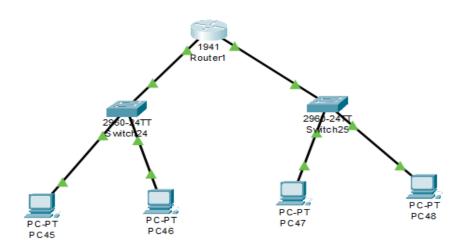
## **Experiment-1**

Configuration of Network Devices using Packet Tracer tools (Hub, Switch, Ethernet, Broadcast).

Step 1: 1 router,2 switch and 4 PCs



**Step2:** connect switch to router giga ethernet and switches to PCs fast Ethernet

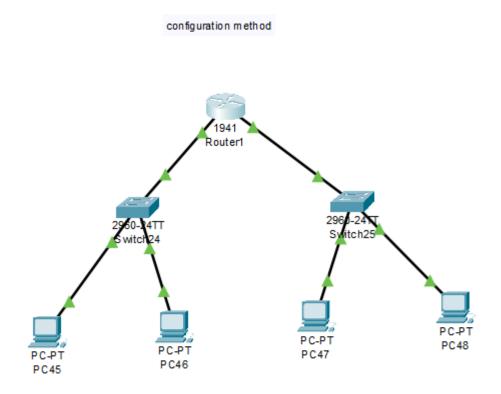


## Step3: Ip address for router

```
--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: no
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #interface g0/0
Router(config-if) #ip address 192.168.2.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
Router(config-if) #exit
Router(config) #interface g0/1
Router(config-if) #ip address 192.168.3.1 255.255.255.0
Router(config-if) #shutdown
Router(config-if) #no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
%IP-4-DUPADDR: Duplicate address 192.168.2.1 on GigabitEthernet0/0, sourced by 00D0.BC5C.2718
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down
```

**Step3:** give Ip address for each pc and default gate way IP address for pc0:192.168.2.10 gateway:192.168.2.1 IP address for pc1: 192.168.2.11 gateway:192.168.2.1 IP address for pc2: 192.168.3.10 gateway:192.168.3.1 IP address for pc3: 192.168.3.11 gateway:192.168.3.1

**Step4:** allocate the messages



Result: The message sent successfully from one pc to another pc