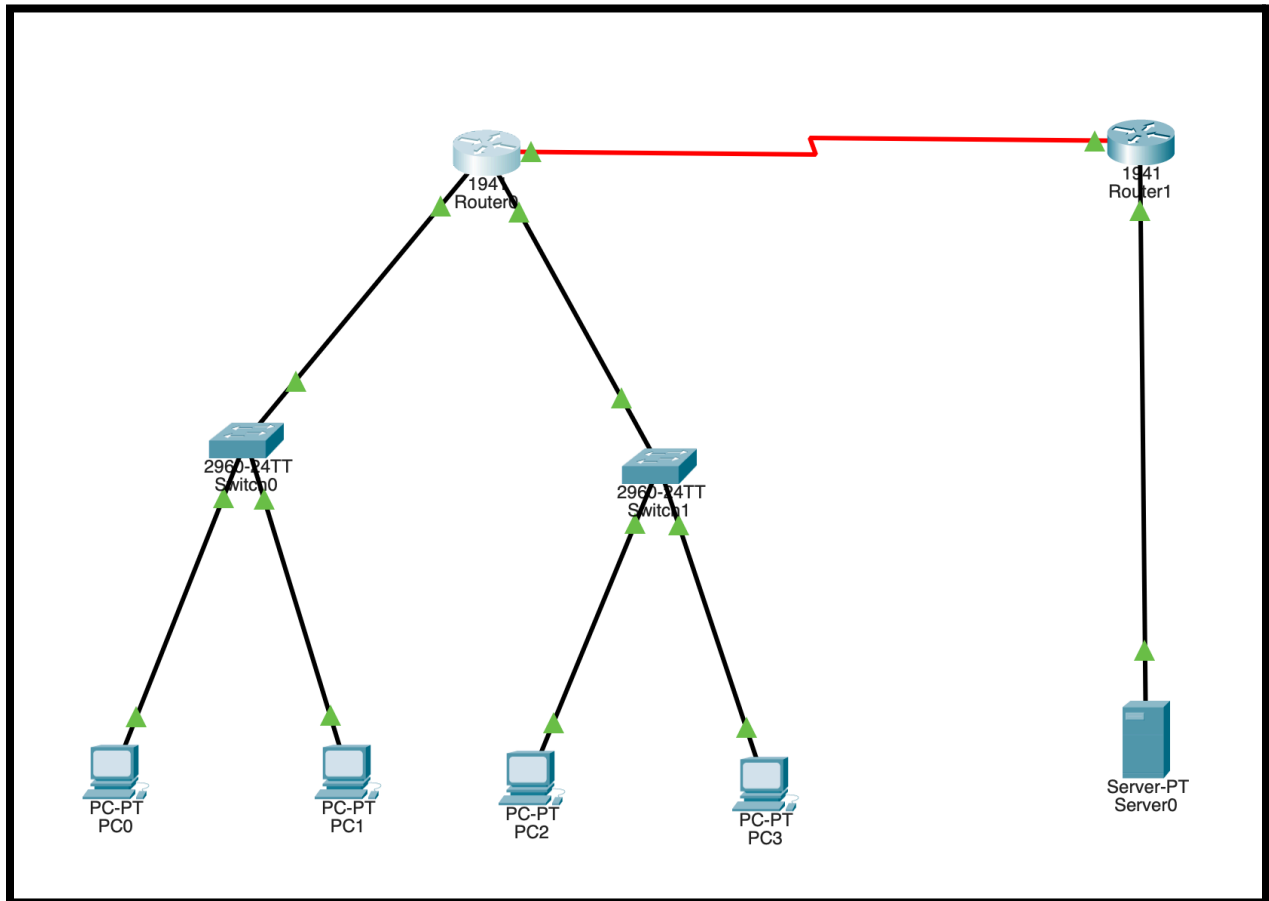# Assignment - 8

Aim: To implement Access Control List (ACL) in Cisco Packet Tracer.

Simulation Diagram:

Router 0 (DCE) Configuration Code:

```
Would you like to enter the initial configuration dialog? [yes/no]: no
Press RETURN to get started!
Router>en
Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#
Router(config)#interface gi 0/0
Router(config-if)#ip address 192.168.0.1 255.255.255.0
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)#
Router(config)#interface gi 0/1
Router(config-if)#ip address 192.168.11.1 255.255.255.0
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
Router(config-if)#exit
Router(config)#interface se 0/1/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#clock rate 64000
Router(config-if)#no shutdown
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#
Router(config)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state
to up
Router(config)#
Router(config)#
Router(config)#
Router(config)#router eigrp 3
Router(config-router)#network 192.168.10.0
Router(config-router)#network 10.0.0.0
Router(config-router)#exit
Router(config)#
Router(config)#router eigrp 3
Router(config-router)#network 10.0.0.0
Router(config-router)#network 192.168.11.0
Router(config-router)#exit
Router(config)#
%DUAL-5-NBRCHANGE: IP-EIGRP 3: Neighbor 10.0.0.2 (Serial0/1/0) is up: new
adjacency
Router(config)#
Router(config)#
Router(config)#exit
```

```
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#access-list 2 deny 192.168.10.0 0.0.0.255
Router(config)#access-list 2 permit any
Router(config)#interface se 0/1/0
Router(config-if)#ip access-group 2 out
Router(config-if)#
Router(config-if)#
```

Router 1 (DTE) Configuration Code:

```
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>
Router>en
Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface gi 0/0
Router(config-if)#ip address 192.168.12.1 255.255.255.0
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 se 0/1/0
Router(config-if)#ip address 10.0.0.2 25n5.0.0.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
```

```
Router(config-if)#
Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state
to up

Router(config)#
Router(config)#
Router(config)#router eigrp 3
Router(config-router)#network 192.168.12.0
Router(config-router)#network 10.0.0.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 3: Neighbor 10.0.0.1 (Serial0/1/0) is up: new
adjacency

Router(config-router)#exit
Router(config)#
Router(config)#access-list 112 deny tcp 192.168.10.0 0.0.0.255
% Incomplete command.
Router(config)#access-list 112 deny tcp 192.168.10.0 0.0.0.255 192.168.12.2
0.0.0.0 eq 80
Router(config)#access-list 112 permit ip any any
Router(config)#interface gi 0/0
Router(config-if)#ip access-group 112 out
Router(config-if)#
Router(config-if)#
```