

## 21CY681– Internet Protocol lab

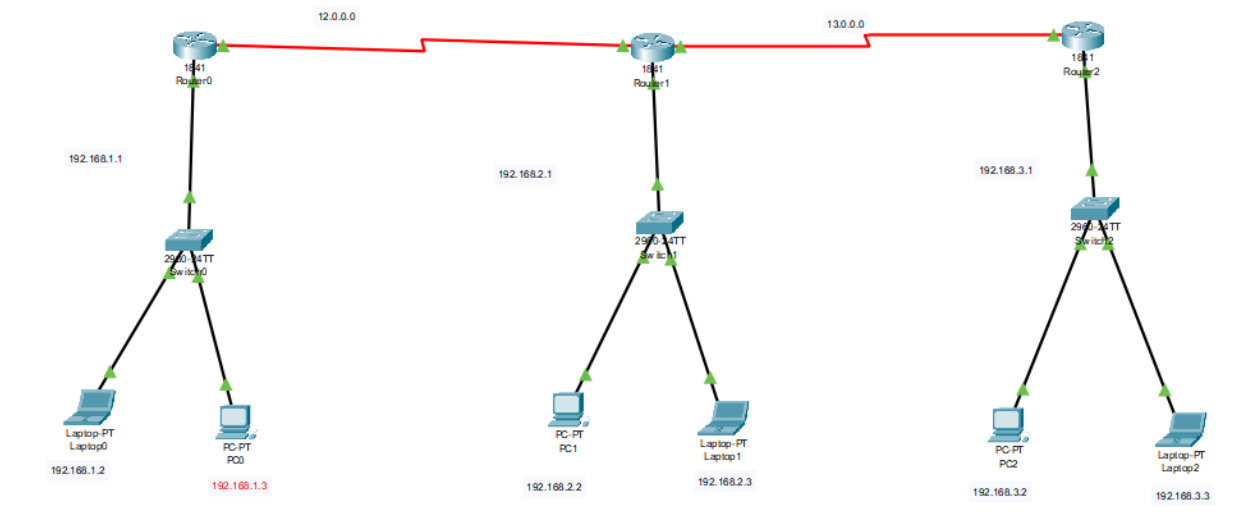
### ASSIGNMENT -7

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Register Number: CYS22011

Title: Analyzing Implementing BGP using packet tracer

#### ARCHITECTURE-



#### ROUTER 1-

```
Router(config)#router bgp 2
Router(config-router)#network 192.168.2.0
Router(config-router)#network 12.0.0.0
Router(config-router)#network 13.0.0.0
Router(config-router)#
Router(config-router)#neighbor 12.0.0.1 remote-as 1
Router(config-router)#neighbor 192.168.1.2 remote-as 1
Router(config-router)#neighbor 192.168.1.3 remote-as 1
Router(config-router)#
Router(config-router)#neighbor 13.0.0.2 remote-as 3
Router(config-router)#neighbor 192.168.3.2 remote-as 3
Router(config-router)#neighbor 192.168.3.3 remote-as 3
Router(config-router)#
```

## ROUTER 2-

```
Router>en
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router bgp 2
Router(config-router)#network 192.168.2.0
Router(config-router)#network 12.0.0.0
Router(config-router)#network 13.0.0.0

Router(config-router)#neighbor 12.0.0.1 re
Router(config-router)#neighbor 12.0.0.1 remote-as 1
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 12.0.0.1 Up

Router(config-router)#neighbor 192.168.1.2 remote-as 1
Router(config-router)#neighbor 192.168.1.3 remote-as 1
Router(config-router)#
Router(config-router)#neighbor 13.0.0.2 r
Router(config-router)#neighbor 13.0.0.2 remote-as 3
Router(config-router)#neighbor 192.168.3.2 remote-as 3
Router(config-router)#neighbor 192.168.3.3 remote-as 3
Router(config-router)#
```







## ROUTER 3-

```
Router>en
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router bgp 3
Router(config-router)#network 192.168.3.0
Router(config-router)#network 13.0.0.0
Router(config-router)#neighbor 13.0.0.1 re
Router(config-router)#neighbor 13.0.0.1 remote-as 2
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 13.0.0.1 Up

Router(config-router)#neighbor 192.168.2.2 remote-as 2
Router(config-router)#neighbor 192.168.2.3 remote-as 2
Router(config-router)#neighbor 12.0.0.1 remote-as 1
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 12.0.0.1 Up

Router(config-router)#neighbor 12.0.0.1 remote-as 1
Router(config-router)#neighbor 192.168.1.2 remote-as 1
Router(config-router)#neighbor 192.168.1.3 remote-as 1
Router(config-router)#
```

## RESULT-

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
	Successful	PC0	PC1	ICMP		0.000	N	0	(edit)
	Successful	PC0	PC2	ICMP		0.000	N	1	(edit)
	Successful	PC1	Laptop2	ICMP		0.000	N	2	(edit)