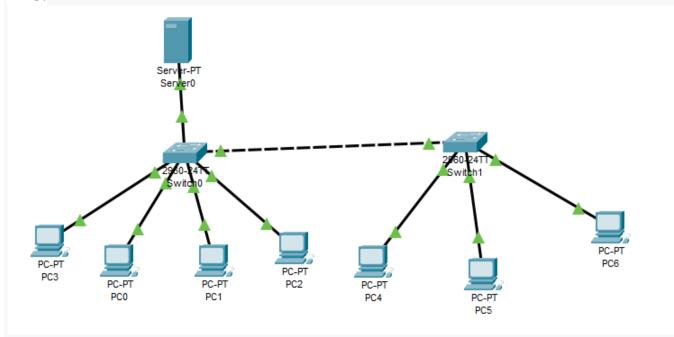
# **Networking Lab - 5**

# **OBJECTIVE:**

- 1. To assign static IPs to different PCs on a basic LAN.
- 2. Check IP configuration using IPCONFIG command.
- 3. Test connectivity using PING or PDUs.

Q1:- Start the packet tracer file included (Lab-3 Start), and have a look at the configuration.

Ans.

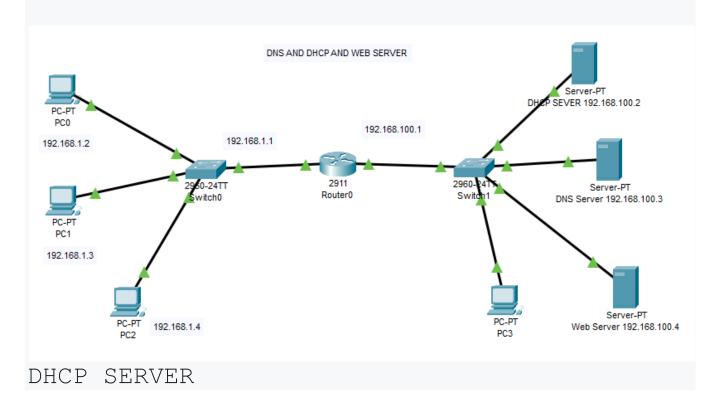


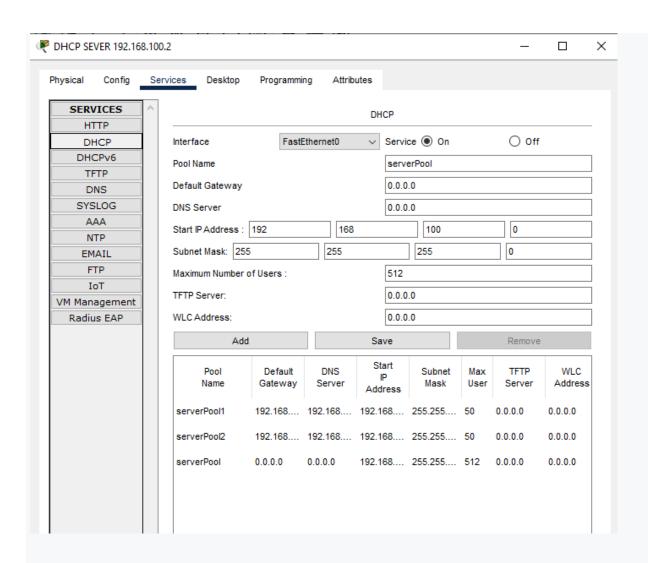
Q2:- The switch has a class C network (192.168.100.0), which is going to be the network being used in this lab.

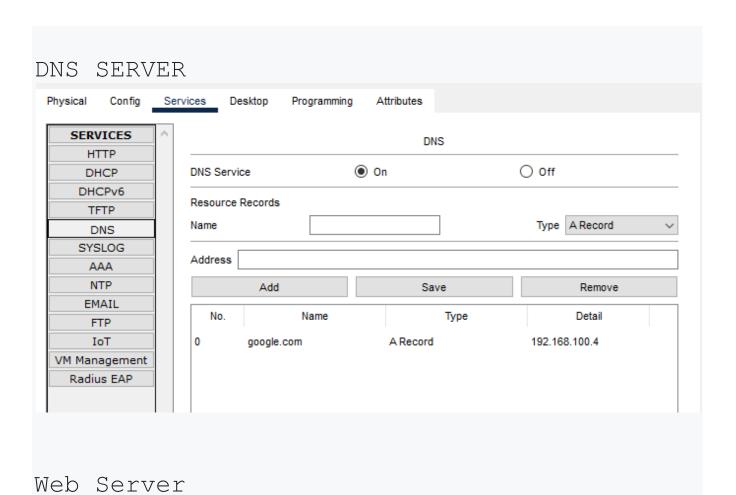
## Ans.

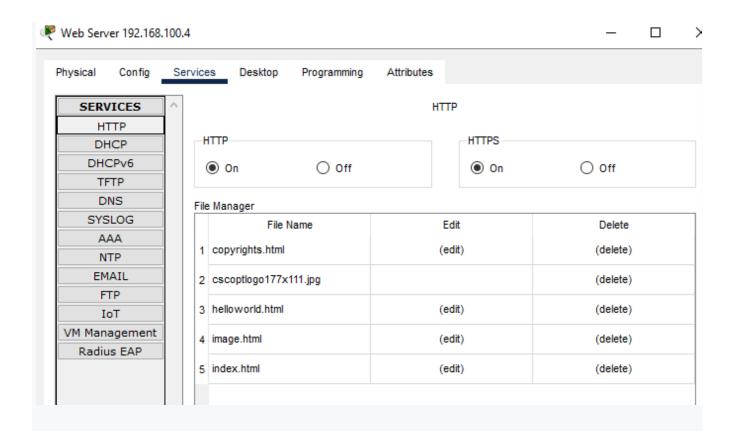
Network Id- 192.168.100.0 Host Id- 192.168.100.1/4

Network Id- 192.168.1.1 Host Id- 192.168.1.2/5









\*\*\*\*\* Q3:- Using a CIDR notation of /24, go to each individual PCs and assign them a network with an increment of 10.

Q4:- Go to each desktop and select command prompt. Ans.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.2.2:
```

Q5: - Type "ipconfig" and verify the ip addresses on respective PCs.

#### Ans:-

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.2.2:
```

Q6:- To test the connectivity, go to any one of the PC's command prompt, and ping other PCs

### Ans:-

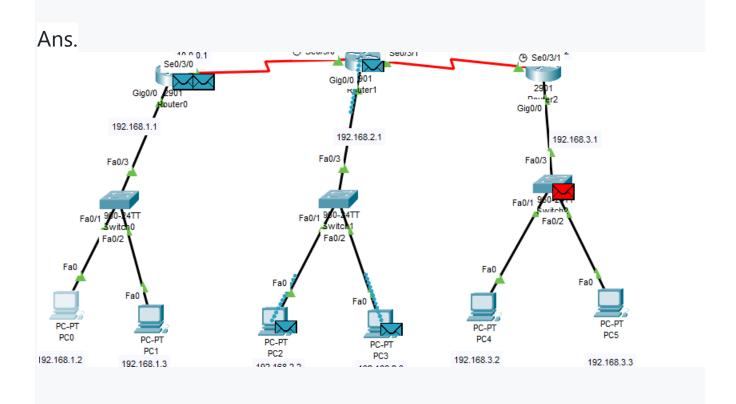
```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.2.2:
```

# Q7:- Another way is going to simulation mode, and add a simple PDU



Q8:- Hit forward button to have a visualisation of packet flowing from PC to switch and forward.

Ans.

