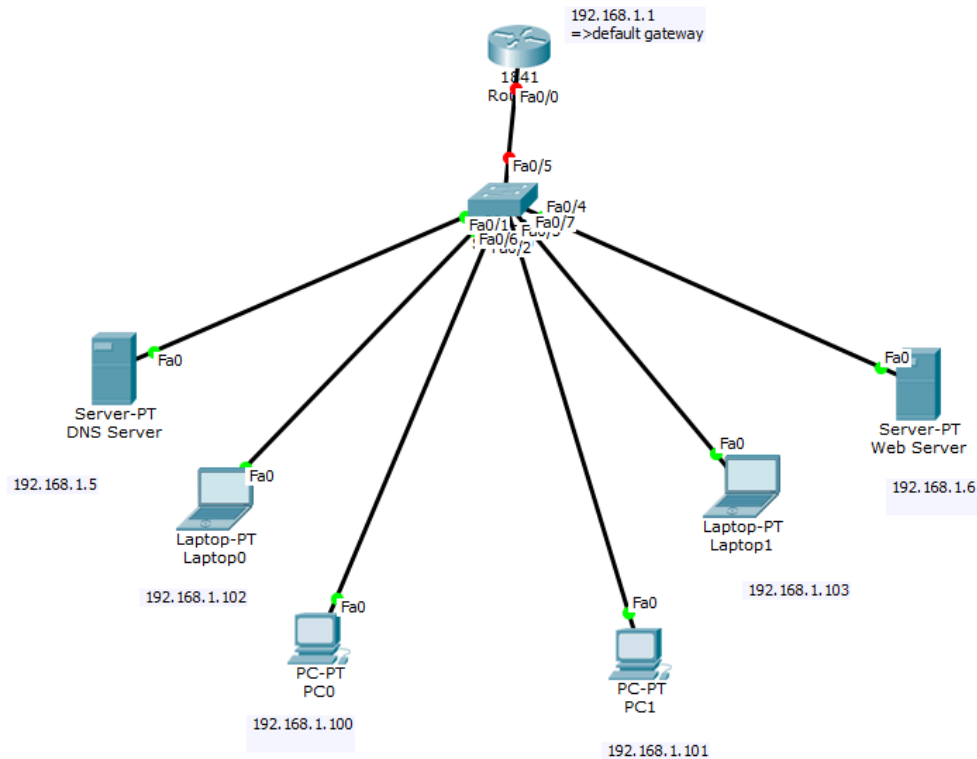


Program – 3:

Aim: Configure Web Server, DNS within a LAN.

Topology:



Procedure:

1. PC Configurations

PC0

- IP Address: **192.168.1.100**
- Subnet Mask: **255.255.255.0**
- Default Gateway: **192.168.1.1**
- DNS: **192.168.1.5**

PC1

- IP Address: **192.168.1.101**
- Subnet Mask: **255.255.255.0**
- Default Gateway: **192.168.1.1**
- DNS: **192.168.1.5**

2. Servers Required

- **DNS Server**
- **Web Server**

3. Configure Web Server

1. Open **Server > Services > HTTP**
2. Turn **HTTP** and **HTTPS** ON

3. Go to **Desktop > Edit HTML**
 - Edit the default HTML page to display a custom message
4. Assign IP to Web Server:
 - **IP:** 192.168.1.6
 - **Subnet Mask:** 255.255.255.0
 - **Default Gateway:** 192.168.1.1
 - **DNS:** 192.168.1.5

4. Configure DNS Server

1. Go to **Services > DNS**
2. Add a new DNS entry:
 - **Name:** www
 - **Domain:** letslearn.com
 - **Address:** 192.168.1.6 (IP of web server)
3. Ensure DNS Service is **ON**
4. DNS Server IP configuration:
 - **IP:** 192.168.1.5
 - **Subnet Mask:** 255.255.255.0
 - **Default Gateway:** 192.168.1.1
 - **DNS:** 192.168.1.5

5. Check Connectivity

On PC → **Command Prompt**

- ping 192.168.1.5 → tests DNS server connection
- ping 192.168.1.6 → tests web server connection

Open **Desktop > Web Browser** and enter:

http://www.letslearn.com

The webpage should load successfully.

6. Extra Tasks

- Modify the HTML page and verify changes appear in browser
- Add more PCs and configure their IP, gateway, and DNS similarly

Output:

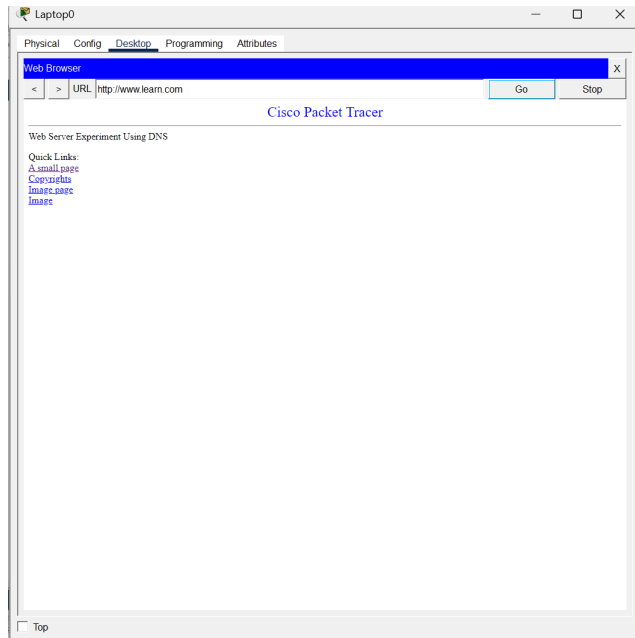


Fig 3.1 Browser search output

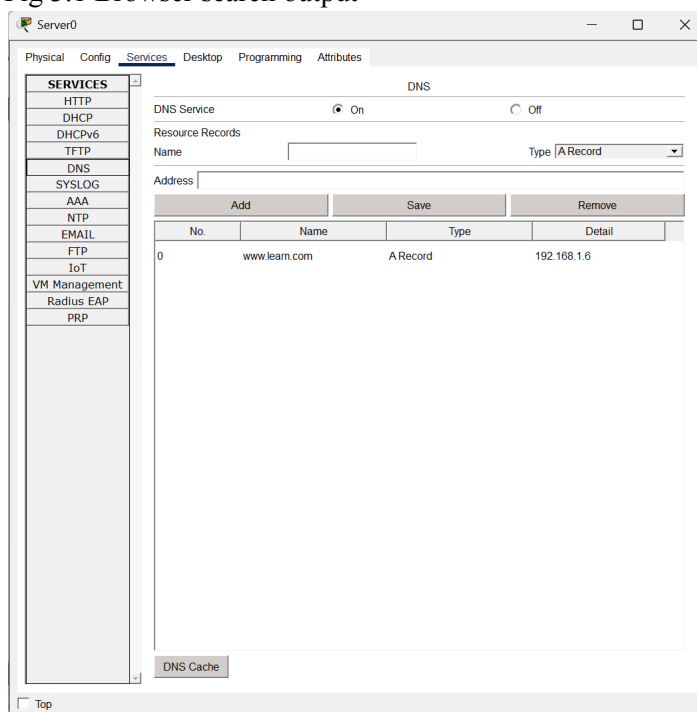


Fig 3.2 DNS Server Records