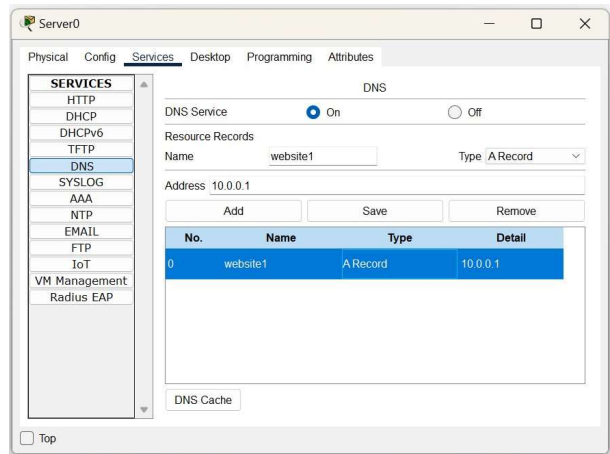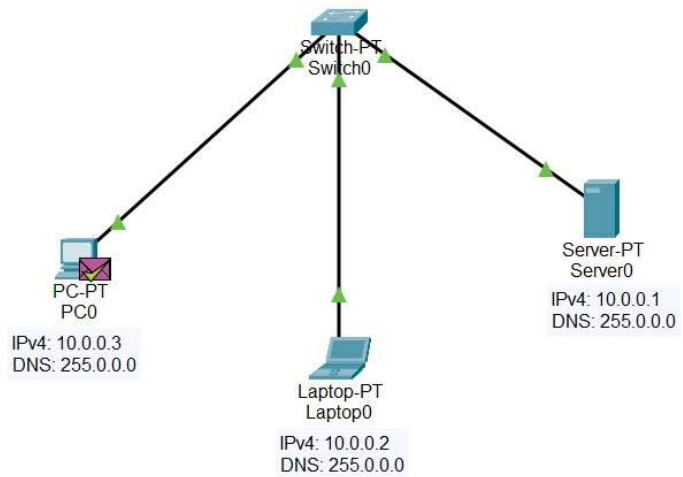# LABORATORY PROGRAM – 8
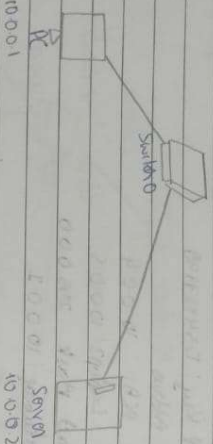
To Configure DNS server to demonstrate the mapping of IP addresses and Domain names.

: Configure web Server, DNS within a LAN

→ Aim: Configuration a web Server and DNS Server within a Local Area Network

→ Topology:


```
                  ┌──────┐
        Switch0   │      │
                  └──────┘
   ┌───┐                      ┌──────┐
   │PC │                      │Server│
   └───┘                      └──────┘
  10.0.0.1                    10.0.0.2
```

Procedure

1) Set Up the LAN as per the topology mentioned above and configure the devices

2) Go to Server → Services → DNS
   Name: bmsce
   Address: 10.0.0.2

3) Go to Server → Config → global → settings →
   DNS Server: 10.0.0.2

4) Go to PC → Desktop → web browser
   Type URL: http://bmsce

Observation: The DNS server correctly resolves the domain name www.example.com to 192.168.1.3. The web server serves the configured web page when accessed via the domain name.