LAB-6

AIM: Demonstration of Webserver and DNS using Packet Tracer.

Topology:

```
                    switch 0
                    switch-PT
                    ┌──────────┐
                    └──────────┘
              Fa0/1         Fa1/1
                 /            \
              Fa0             Fa0
          ┌──────┐         ┌──────┐
          │      │         │      │
          └──────┘         │      │
          PC-PT            └──────┘
          PC0              Server-PT
          10.0.0.1         Server 0
                           10.0.0.2
```
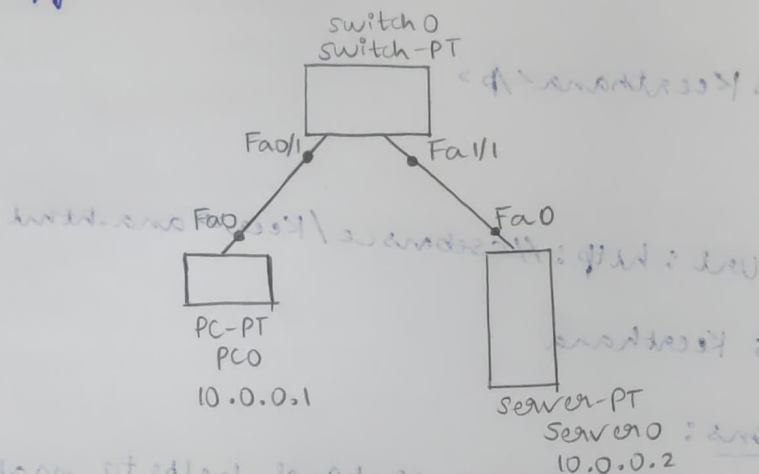
Procedure:

→ Set the IP Address and Subnet mask of the PC and Server accordingly. From the PC invoke the web browser in the desktop tab and give the ip of the server. http://10.0.0.2 See that a home page gets displayed

→ Now go to services of services tab in the properties of the server, click on HTTP. The following window is seen. Click on the edit button of index.html and change text from CISCO to BMSCE. Save to overwrite. View the same as above from the PC to see the modified page.

Domain Name System:

→ To activate DNS, click on DNS service. Select on. Enter the name and IP. Click on Add button

→ As the name is fixed for the IP address, check the same by giving IP address in the web browser window of the PC. http://csebmsce

→ Make your own HTML page with a table displaying any details. Connect same with the hyperlink View the same from pc http://csebmsce/keerthana.html

Results:

The html file: Keerthana.html

```
<html>
<head>
Hello
</head>
<body>
<p> This is Keerthana</p>
</body>
</html>
```

output: url: http://csebmsce/Keerthana.html
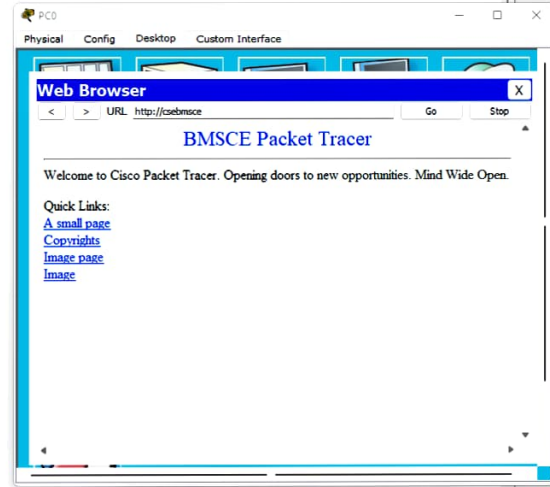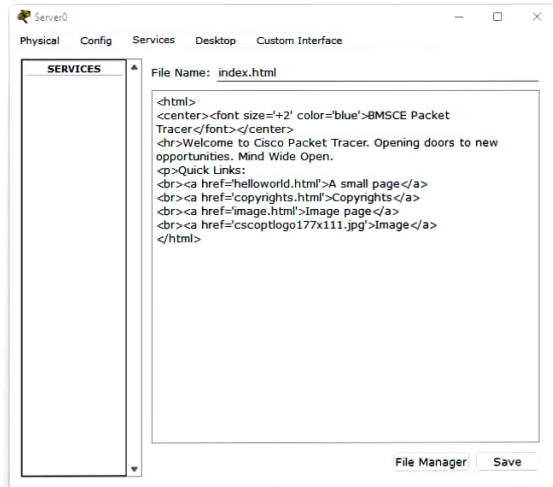
Hello
This is Keerthana

Observations:

Learning outcome: DNS protocol helps to map
a name with an IP address. This
protocol is very useful because the users
are comfortable with the names and the
computers are comfortable with the IP address

Server0

Physical | Config | Services | Desktop | Custom Interface

SERVICES

File Name: index.html

```
<html>
<center><font size='+2' color='blue'>BMSCE Packet
Tracer</font></center>
<hr>Welcome to Cisco Packet Tracer. Opening doors to new
opportunities. Mind Wide Open.
<p>Quick Links:
<br><a href='helloworld.html'>A small page</a>
<br><a href='copyrights.html'>Copyrights</a>
<br><a href='image.html'>Image page</a>
<br><a href='cscoptlogo177x111.jpg'>Image</a>
</html>
```

File Manager | Save

Fe 1/1
Fa0/1
Switch0

Fa0

PC-PT
PC0
10.0.0.1

Fa0

Server-PT
Server0
10.0.0.2

PC0

Physical | Config | Desktop | Custom Interface

Web Browser X

< | > | URL http://csebmsce | Go | Stop

BMSCE Packet Tracer

Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.

Quick Links:
A small page
Copyrights
Image page
Image

Server0

Physical | Config | Services | Desktop | Custom Interface

SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP

DNS

DNS Service   ● On   ○ Off

Resource Records

Name _____   Type | A Record ▼ |

Address _____

| Add | Save | Remove |

No.	Name	Type	Detail
0	csebmsce	A Record	10.0.0.2

DNS Cache

PC0

Physical Config Desktop Custom Interface

Web Browser X

< > URL http://csebmsce/Keerthana.html   Go   Stop

Hello

This is Keerthana

Fa0/1-0

Fa1/1

Fa0/1-0

Switch0

Fa0

PC-PT
PC0
10.0.0.1

Fa0

Server-PT
Server0
10.0.0.2

Server0

Physical Config Services Desktop Custom Interface

SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP

File Name: Keerthana.html

```
<html>
<head>
Hello
</head>
<Body>
<p>This is Keerthana</p>
</body>
</html>
```

File Manager   Save