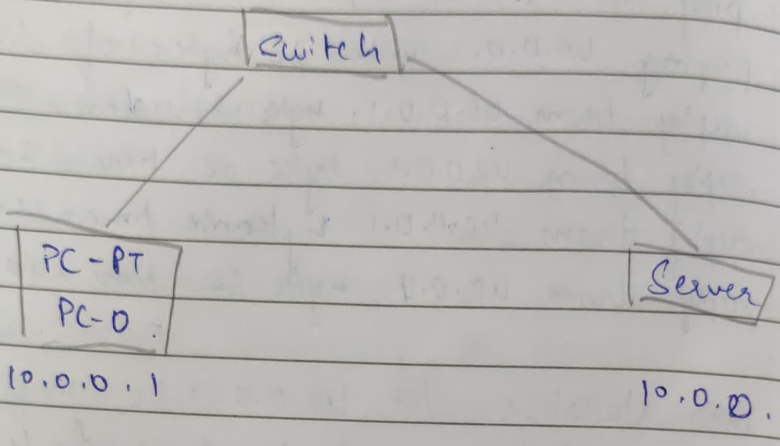
Date 15/9/22
Page

Experiment - 6

Aim: Demonstration of web server and DNS using Packet Tracer

Topology:



Procedure:

i) Place a PC, switch and server on the workspace and connect them

ii) set the IP address and subnet mask of the PC as 10.0.0.1 and 255.0.0.0 respectively

iii) Set the IP address and subnet mask of the server as 10.0.0.1 and 255.0.0.0 respectively.

iv) Open PC0 -> desktop -> web browser -> give IP address of server (10.0.0.2)

v) Open server -> services -> HTTP -> the HTTP windows open. Click on the edit option of index.html and change the contents -> save.

vi) Now the web browser page of PC is also modified

Domain Naming system

i) To activate DNS, open server → services → DNS → on → enter the name of resource record and IP address of the server and click on add.

ii) Now name and IP address is fixed

iii) Now create your own HTML file

iv) Now open PC0 → web browser → and specify the URL → Go

v) The content of the HTML file created is shown.

Result:

HTML file created :

```
<HTML>
<HEAD> HELLO </head>
<body>
Name : Kushal <br>
Branch : CSE
</body>
</html>
```

output:

HELLO
Namit Koshal
Branch : CSE

Learning : DNS helps us map name with an IP address we are comfortable with naming conventions such as bmu.ac.in whereas computer is comfortable with IP address. Hence DNS helps us in the mapping of the name and the IP.

Done
29-12-22