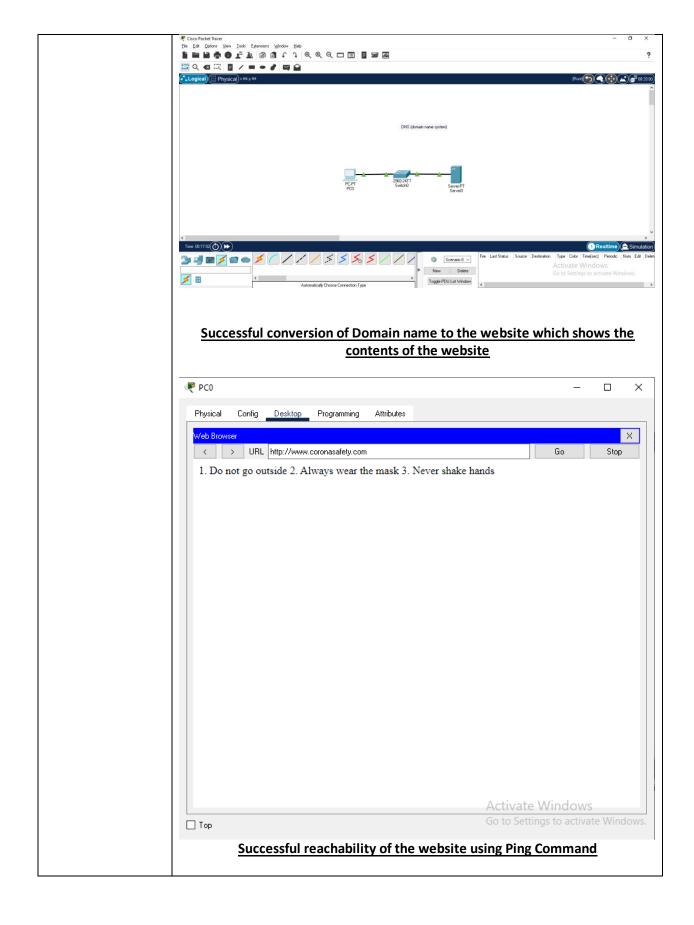


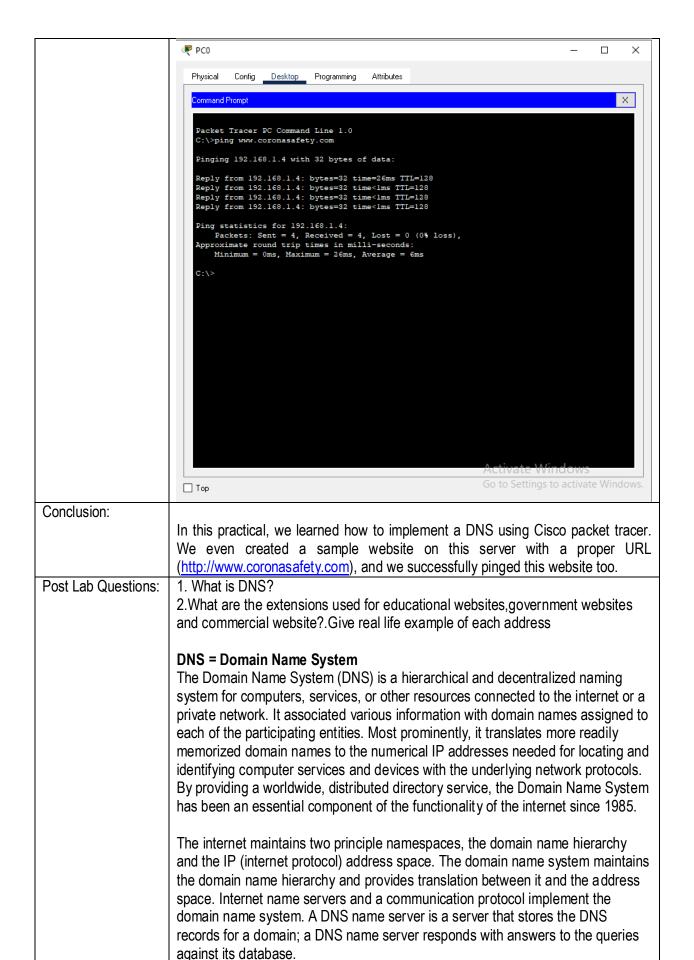
Department of Electronics and Telecommunication Engineering

Semester	T.E. Semester VI – EXTC Engineering
Subject	Computer Communication Network (CCN)
Laboratory Teacher:	Prof. Beena R Ballal

Student Name	Anuj Shah
Roll Number	18104B0024
Grade and Subject Teacher's Signature	

Experiment Number	10		
Experiment Title	Implementation of Domain Name Server(DNS) using Cisco packet Tracer		
Aim	To set up and configure a network using Cisco packet Tracer		
Resources / Apparatus Required	Hardware: Internet Connected PC	Software: Cisco Packet Tracer	
Theory:	DNS is a client/server application program used to help other application programs. DNS is used to map a host name in the application layer to an IP address in the network layer. The Domain Name System (DNS) is a central part of the internet, providing a way to match names (a website you're seeking) to numbers (the address for the website). Anything connected to the internet - laptops, tablets, mobile phones, websites - has an Internet Protocol (IP) address made up of numbers. DNS syncs up domain names with IP addresses enabling humans to use memorable domain names while computers on the internet can use IP addresses.		
Procedure :	1. Open cisco packet tracer. 2. Select the required end devices such as PC, switch and server from the end devices and Network devices 3. Connect Network using automatic connections 4. Configure the end devices(PC's) and server using the suitable IP addresses and DNS 6 Observe that the entire network has turned from red to green 7. Click on the server and then services and make the DNS service ON. Give the name and the address of the website. 8.Go to the utility of HTTP and type the required matter in the code section and save the changes made. 9. Go to the PC and click on web services. Using the Ping command reach out to the website created 10.Confirm the successful reply from the website created		
Screenshots of the Output(Response)	Network with PC,Switch ,Server with connections active		





Source: https://en.wikipedia.org/wiki/Domain Name System

Top-level domains

Educational websites

- .edu
- https://www.mit.edu/
 https://www.stanford.edu/

Government websites

- .gov
- https://www.india.gov.in/ https://www.usa.gov/

Commercial websites

- .com
- https://www.google.com/ https://www.facebook.com/