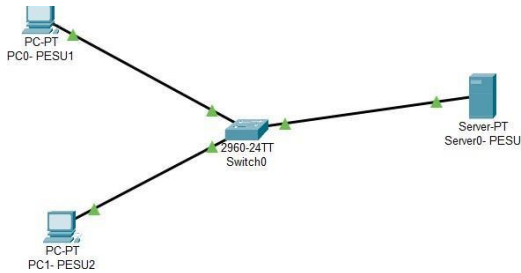


CN LAB WEEK 4

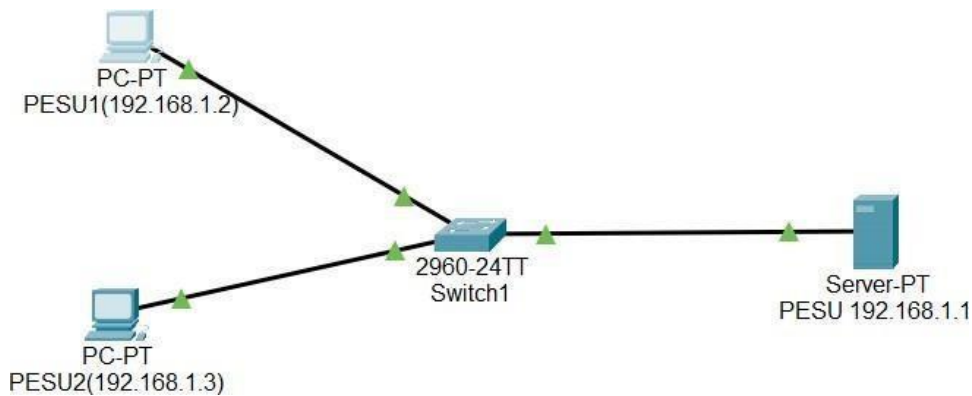
NAME : ANKITH GOWDA B S
SRN : PES2UG22CS077

SECTION : B
DATE : 20/02/2024

Task 1: Network Topology: To replicate given scenario, create a topology in packet tracer, as shown in following image.



Output:



DNS SERVER:

PESU 192.168.1.1

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type A Record

Address

Add Save Remove

No.	Name	Type	Detail
0	cnlab	A Record	192.168.1.1
1	pesu1	A Record	192.168.1.2
2	pesu2	A Record	192.168.1.3

PESU1(192.168.1.2)

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=5ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>ping PESU2
Ping request could not find host pesu2. Please check the name and try again.
C:\>ping PESU1

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128
Reply from 192.168.1.2: bytes=32 time=5ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 3ms

C:\>ping PESU2

Pinging 192.168.1.3 with 32 bytes of data:

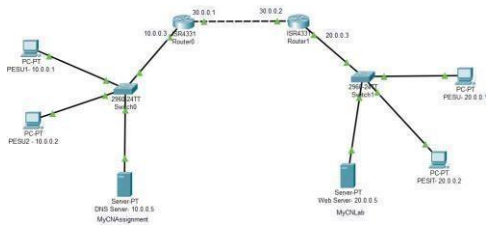
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

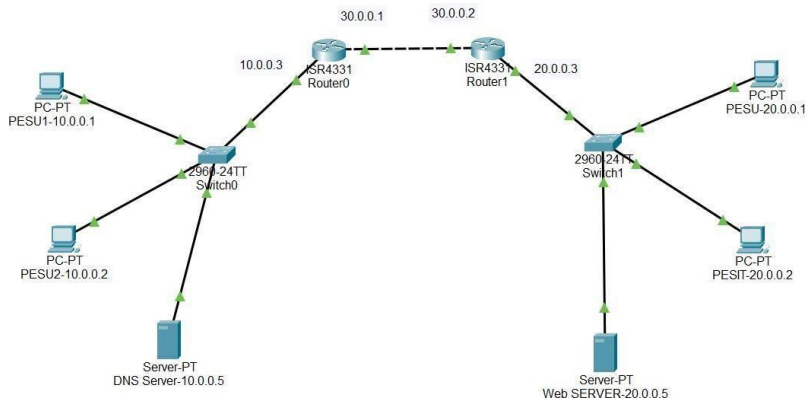
C:\>
```

Task 2 (Mandatory)

Students should create the given topology and get the successful ping by adding entries in the DNS Server. Also students should be able to access the web server.



OUTPUT:

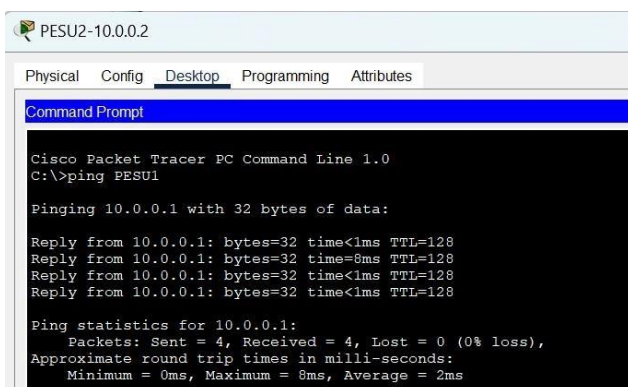


ON PC1: DISPLAYING THE HTML PAGE THAT IS WRITTEN IN WEB SERVER



Pinging pc2 on pc1

Dns server:



DNS Server-10.0.0.5

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DNS

DNS Service

On

Off

Resource Records

Name

Type

A Record

Address

Add

Save

Remove

No.	Name	Type	Detail
0	mycnassignment	A Record	10.0.0.5
1	pesit	A Record	20.0.0.2
2	pesu	A Record	20.0.0.1
3	pesu1	A Record	10.0.0.1
4	pesu2	A Record	10.0.0.2

Web server:

Web SERVER-20.0.0.5

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DNS

DNS Service

On

Off

Resource Records

Name

Type

A Record









Address

Add

Save

Remove

No.	Name	Type	Detail
0	mycnlab	A Record	20.0.0.5
1	pesit	A Record	20.0.0.2
2	pesu	A Record	20.0.0.1

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC3	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC0	PC2	ICMP		1.119	N	1	(edit)	(delete)
	Successful	PC0	PC3	ICMP		2.922	N	2	(edit)	(delete)
	Successful	PC2	PC1	ICMP		5.119	N	3	(edit)	(delete)