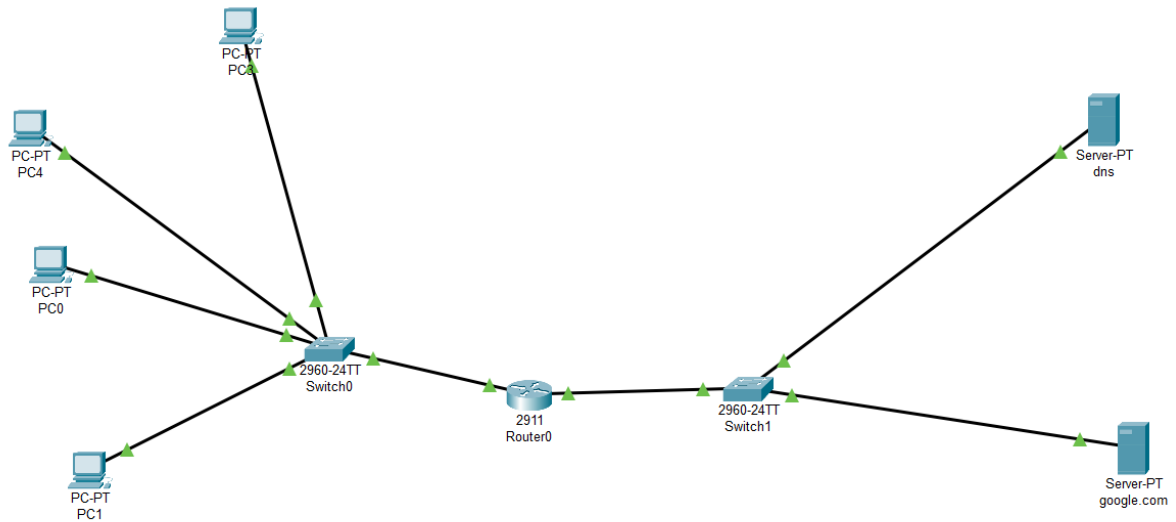


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**REGISTRATION NO: SP22-BSE-145**

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In this project we I made 2 networks with Ips 192.168.1.0 and the other network IP is 192.168.2.0.



Now in this network I put 4 computers two switches and one router and two servers.

**Following are the different screenshots of the network.**

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=255
Reply from 192.168.1.10: bytes=32 time=1ms TTL=255
Reply from 192.168.1.10: bytes=32 time<1ms TTL=255
Reply from 192.168.1.10: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

This is my dns record.

DNS Service ☒ On ☐ Off

Resource Records

Name  Type A Record ▼

Address

Add Save Remove

No.	Name	Type	Detail
0	google.com	A Record	192.168.2.2

And following are the ip configurations for the web server and all other pcs have generally the same ip configurations.

Physical Config Services Desktop Programming Attributes

IP Configuration X

IP Configuration

☐ DHCP ☒ Static

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Following screenshot contains the pinging from the pc to the dns

```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=18ms TTL=127
Reply from 192.168.2.1: bytes=32 time<1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 18ms, Average = 4ms

C:\>|
```

And following is a screenshot in which I am pinging the router of the other side like from the pc of the network 1 to the gateway of the other side of router gateway.

```
C:\>ping 192.168.2.1
```

```
Pinging 192.168.2.1 with 32 bytes of data:
```

```
Reply from 192.168.2.1: bytes=32 time=17ms TTL=127
```

```
Reply from 192.168.2.1: bytes=32 time=25ms TTL=127
```

```
Reply from 192.168.2.1: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.2.1: bytes=32 time<1ms TTL=127
```

```
Ping statistics for 192.168.2.1:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 25ms, Average = 10ms
```