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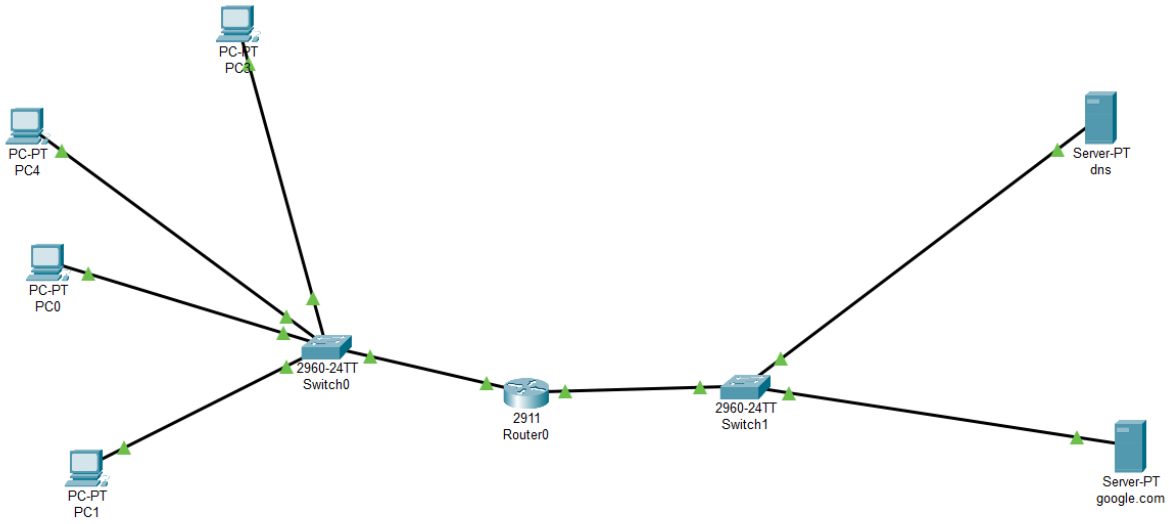
REGISTRATION NO: SP22-BSE-145

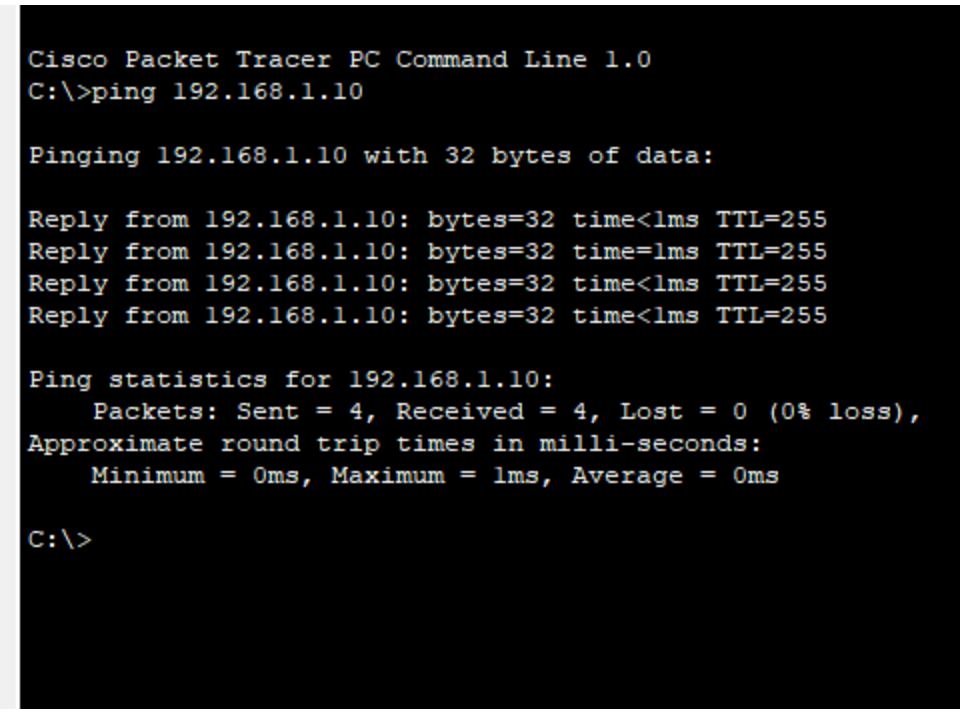
SUBMITTED TO: SIR MUHAMMAD ALI FAISAL

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

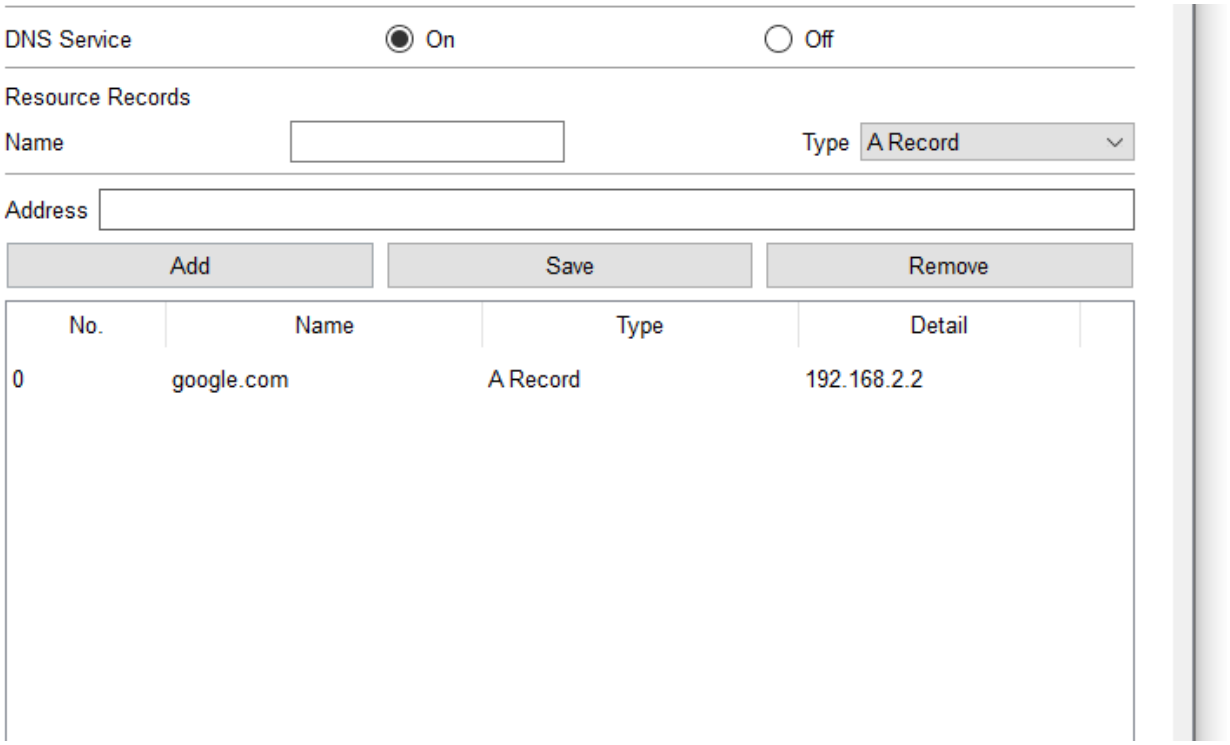


Now in this network I put 4 computers two switches and one router and two servers.

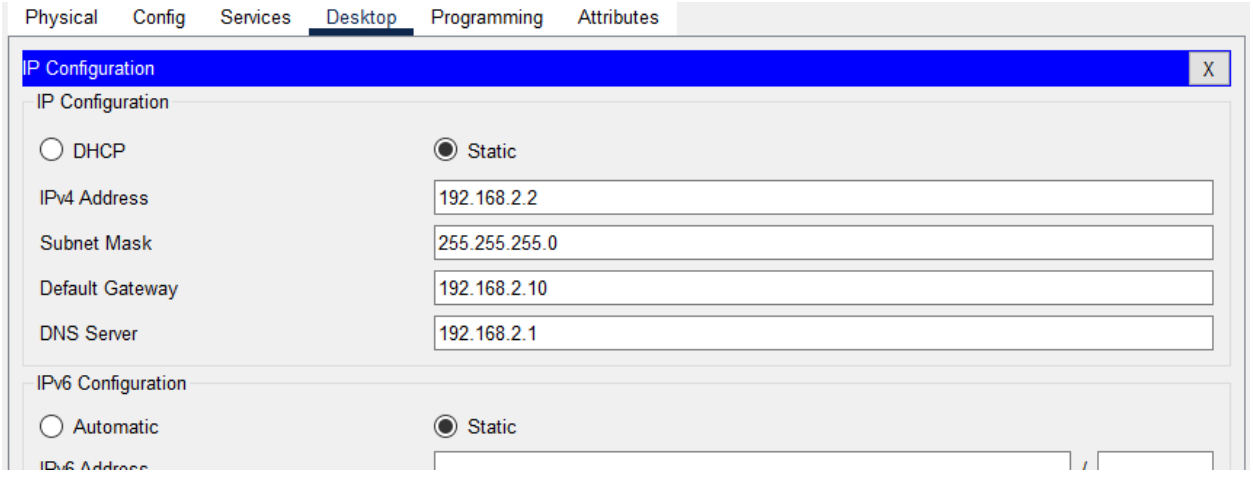
Following are the different screenshots of the network.



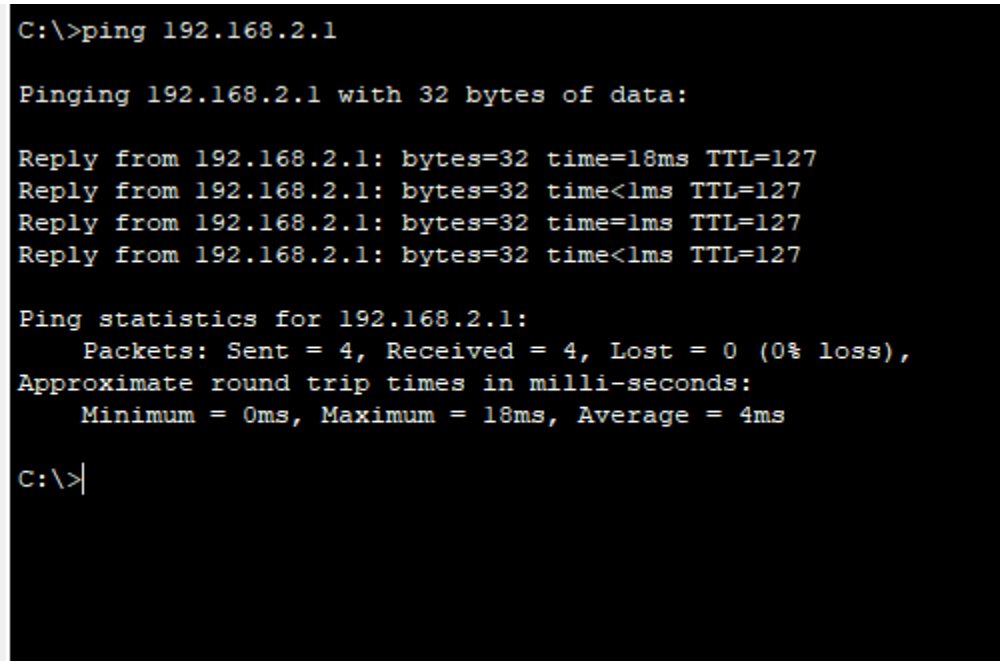
This is my dns record.



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



Following screenshot contains the pinging from the pc to the dns



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
```