Experiment 9

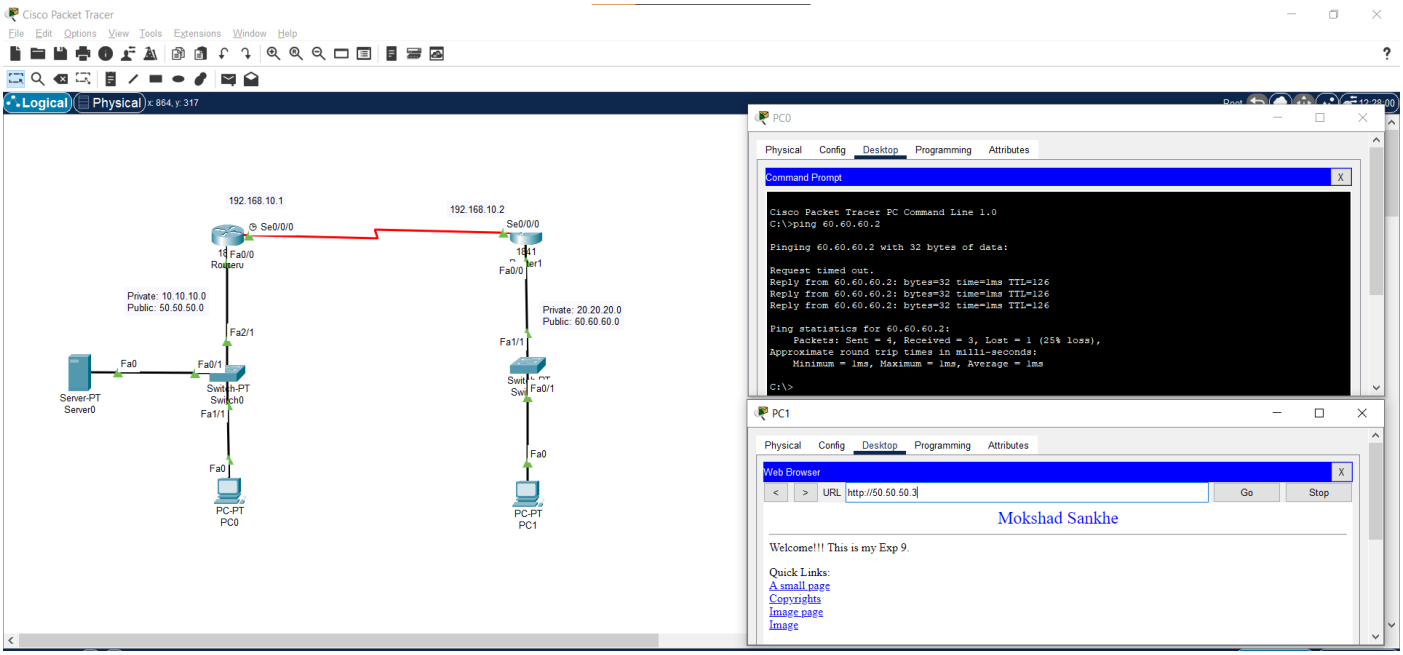
Aim: To configure and verify Static NAT translation

Theory:

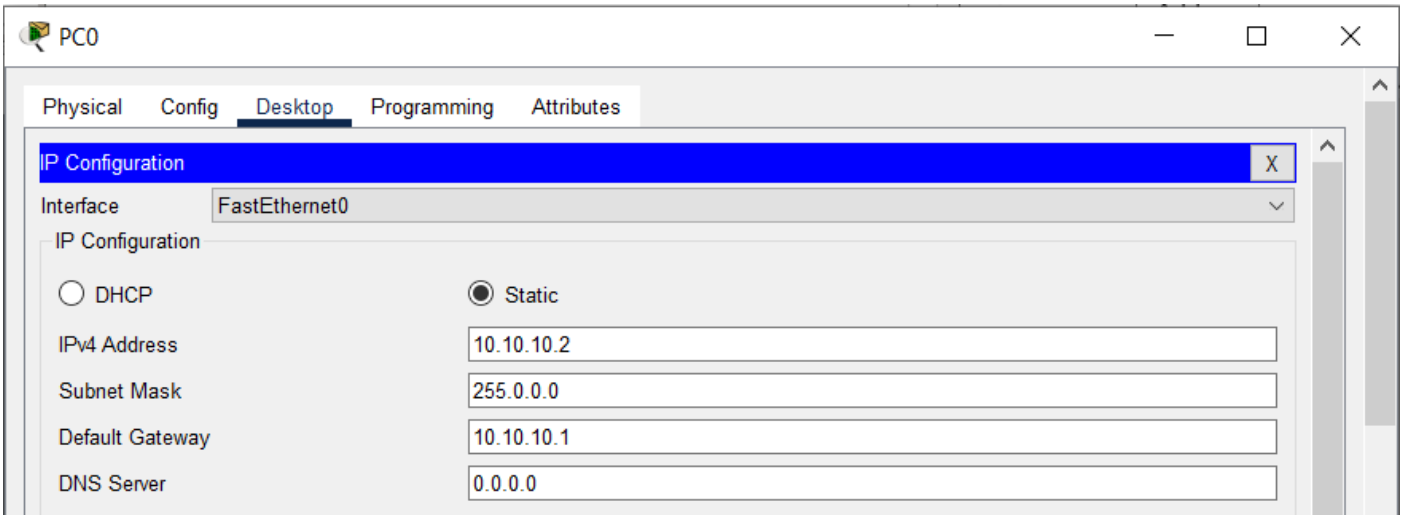
Network address translation (NAT) is a method of mapping an IP address space into another by modifying network address information in the IP header of packets while they are in transit across a traffic routing device. The technique was originally used to bypass the need to assign a new address to every host when a network was moved, or when the upstream Internet service provider was replaced, but could not route the networks address space. Create a network topology as shown below in Cisco packet tracer.

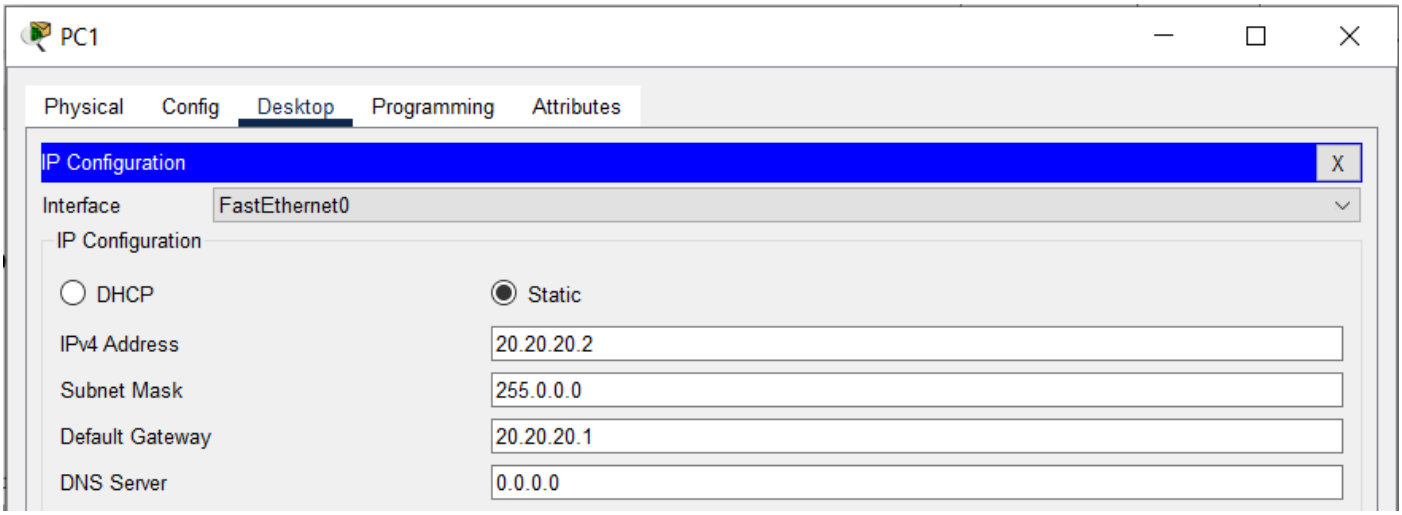
Output:

Main:

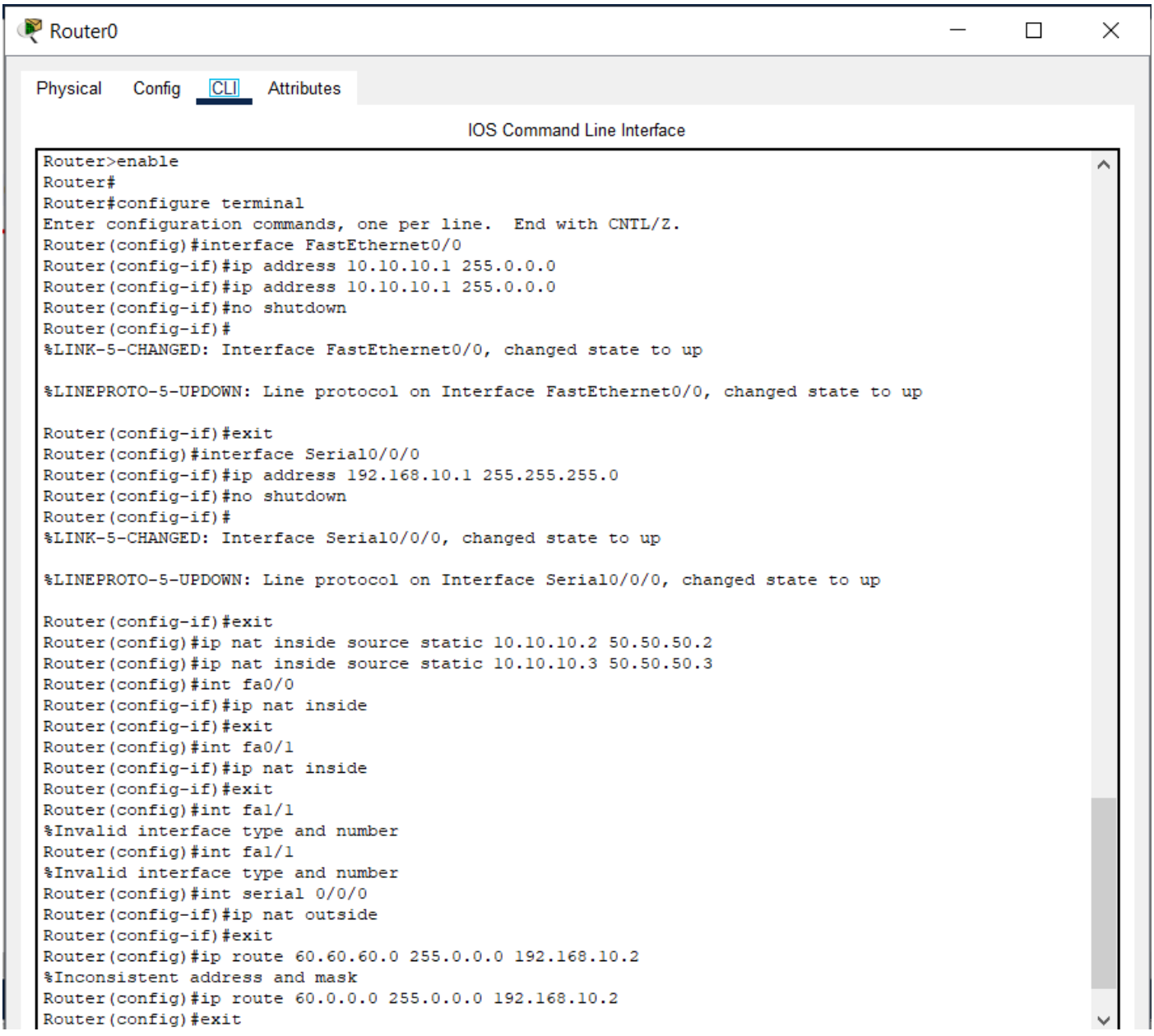


PC IPv4 Configuration:

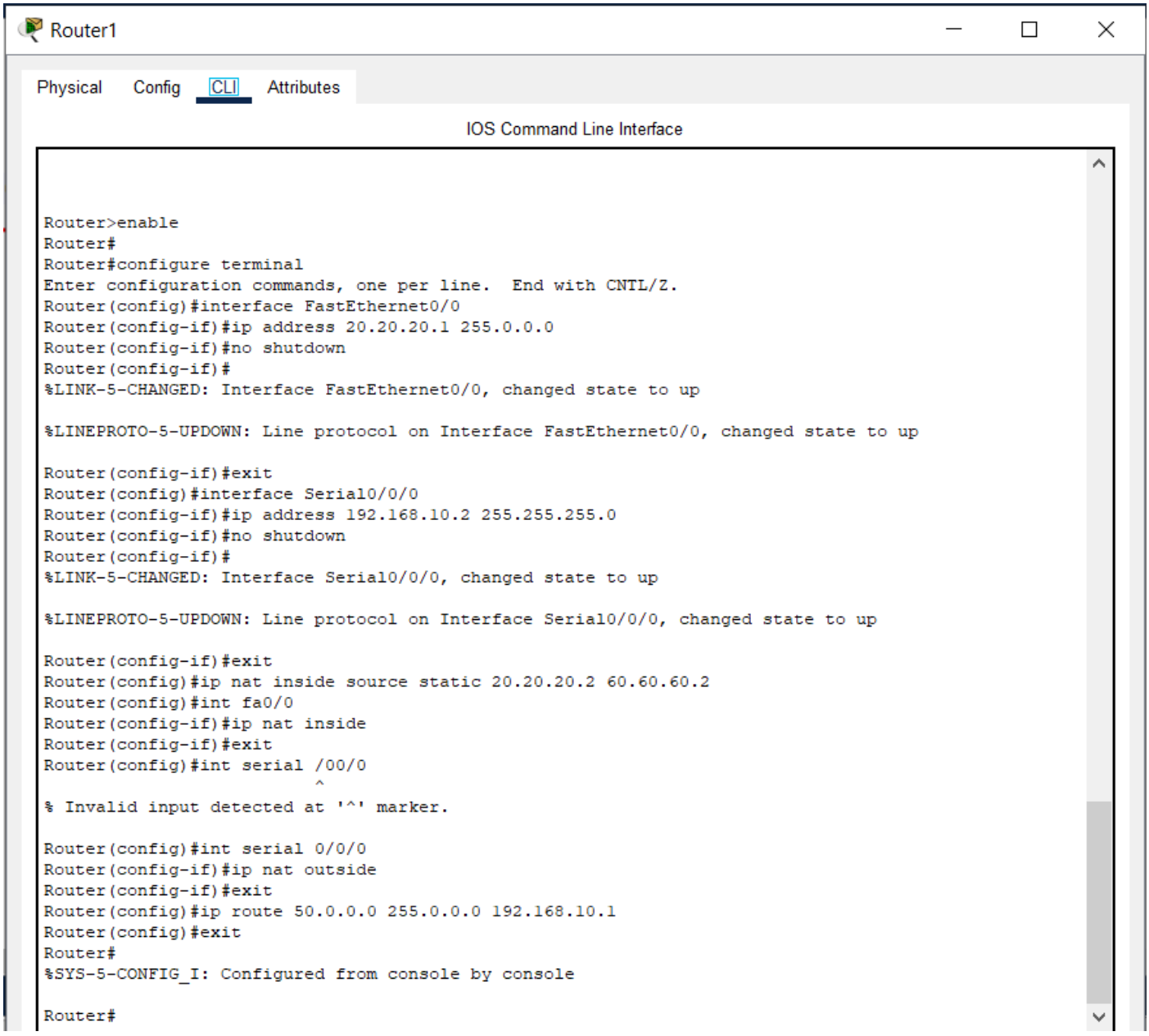




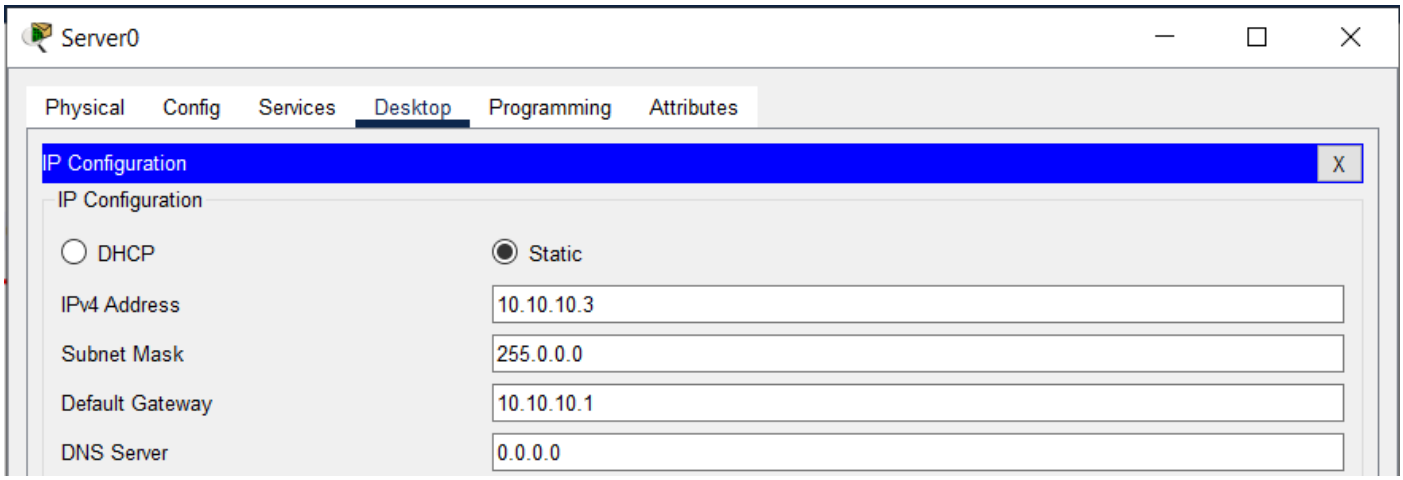
PC1 IPv4 Configuration:Router0 CLI Configuration:



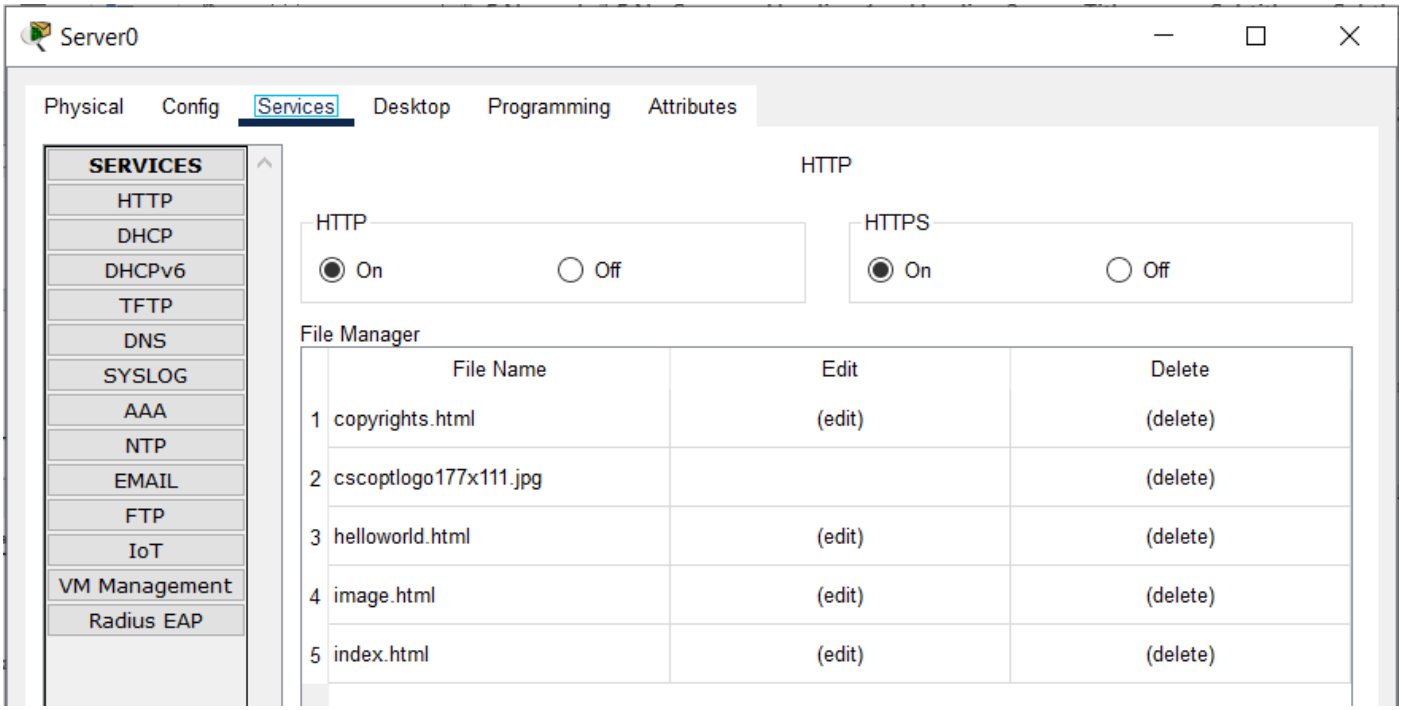
Router1 CLI Configuration:

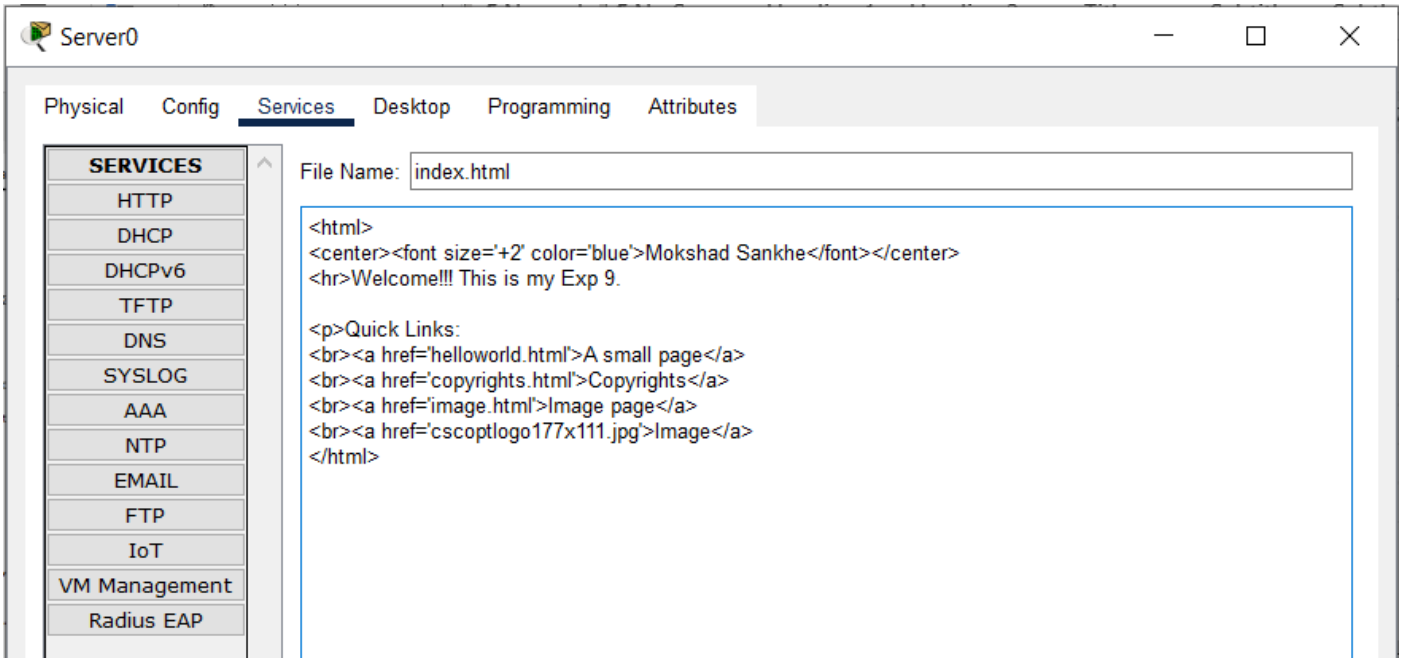


Server Configuration:



Server HTTP Service:





Conclusion: