Course: Cloud and Network Security-C1-2026

Cyber Shujaa Program

Week 3: Examining Network Layers 4-7
Assignment 1: TryHackMe: DNS In Detail

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Introduction

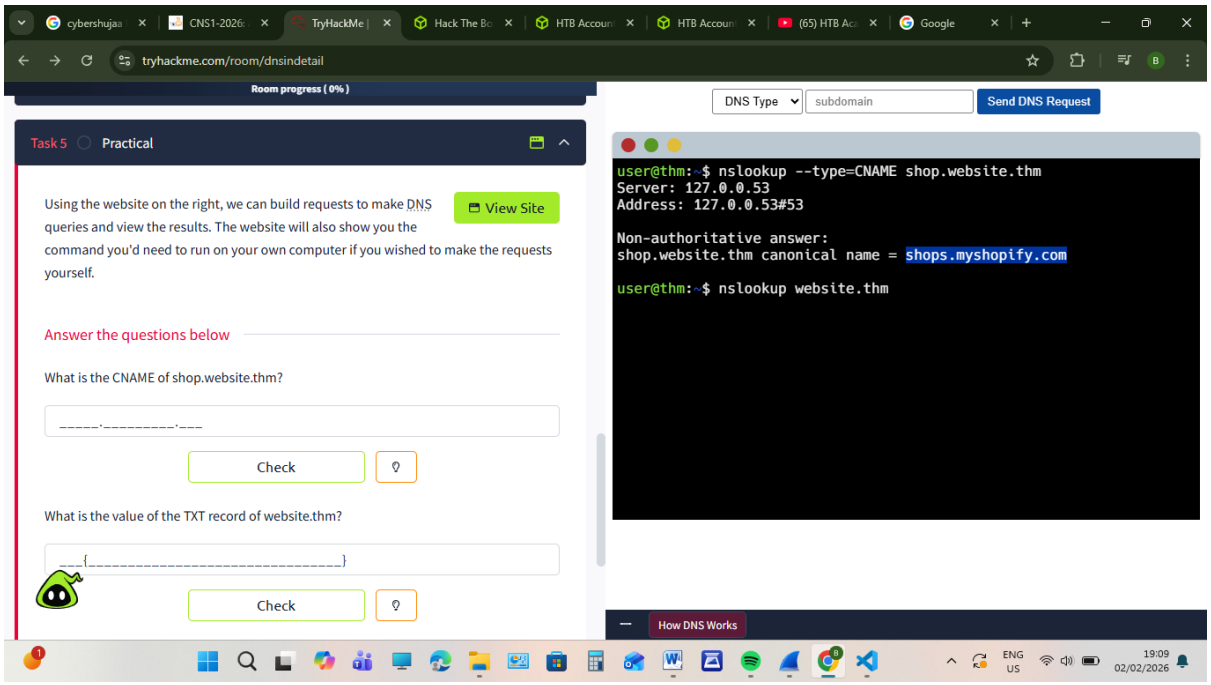
The purpose of this assignment was to develop an understanding of the operation of the Domain Name System (DNS) and how domain name resolution occurs in a networked environment.

Objectives

The objectives of the assignment were:

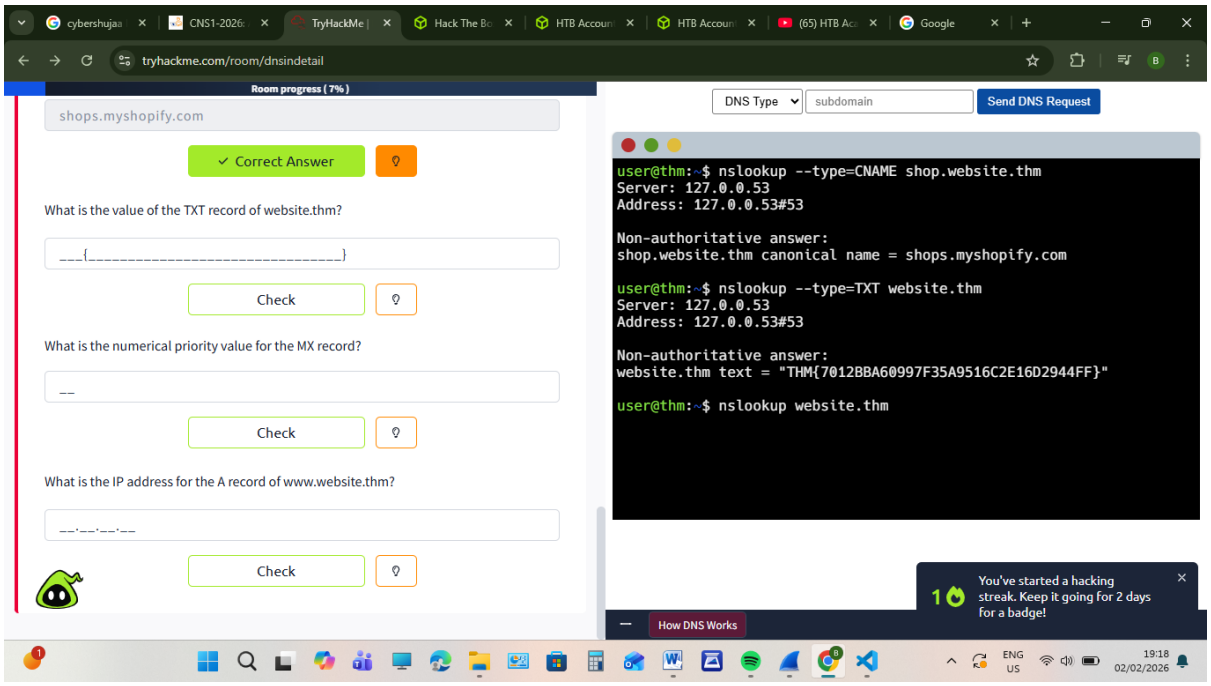
1. To understand the basic concept and purpose of the Domain Name System(DNS)
2. To explain how domain names are resolved into IP addresses
3. To identify the key components involved in the DNS resolution process
4. To understand the role of DNS in network communication and security

1. The CNAME of shop.website.thm



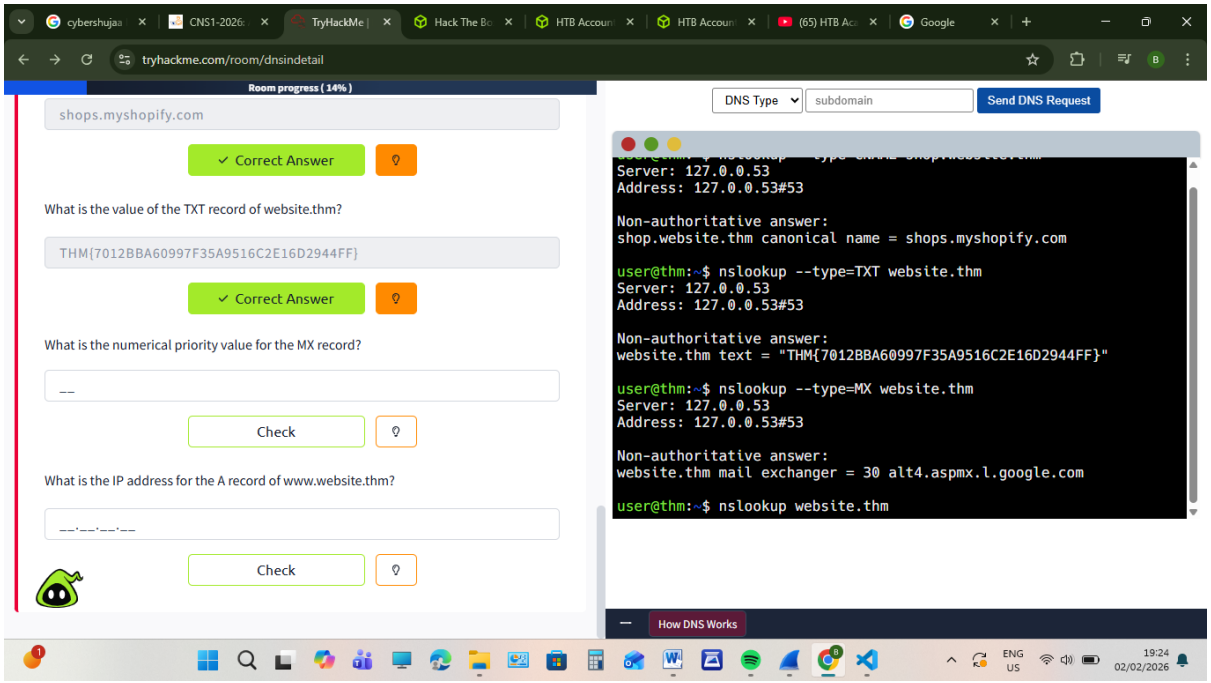
The CNAME of the shop.website.thm is shop.myshopify.com

2. What is the value of the TXT record of website.thm?



THM{7012BBA60997F35A9516C2E16D2944FF}

3. What is the numerical priority value for the MX record?



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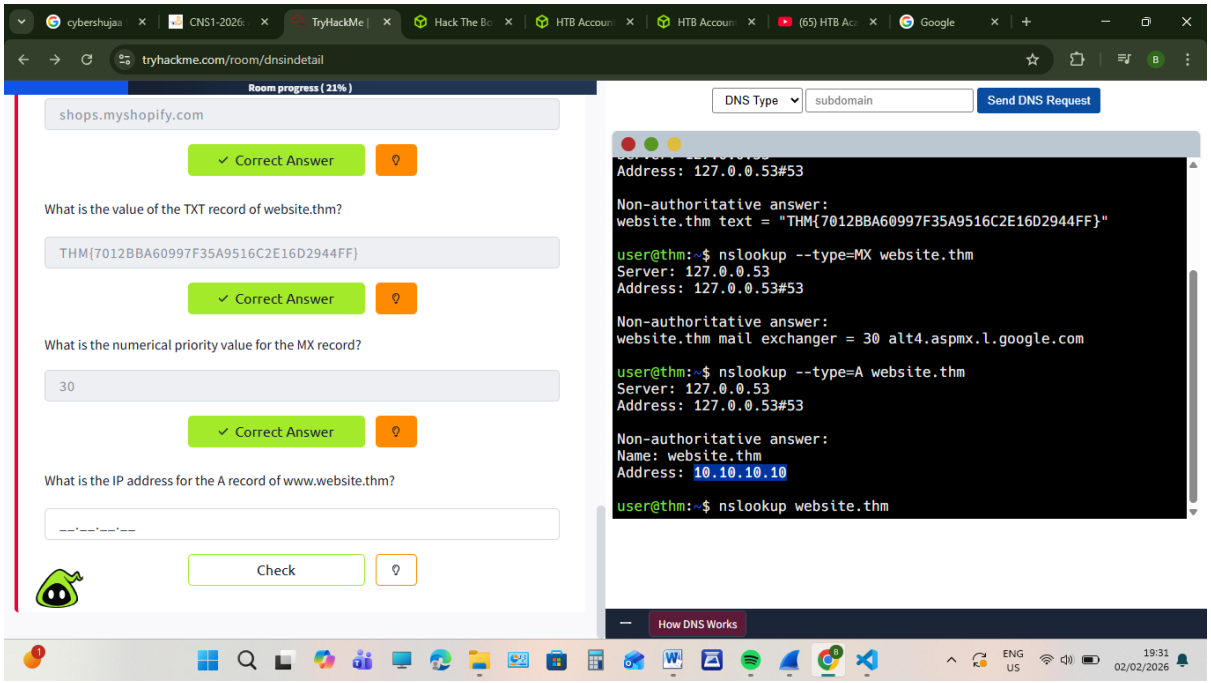
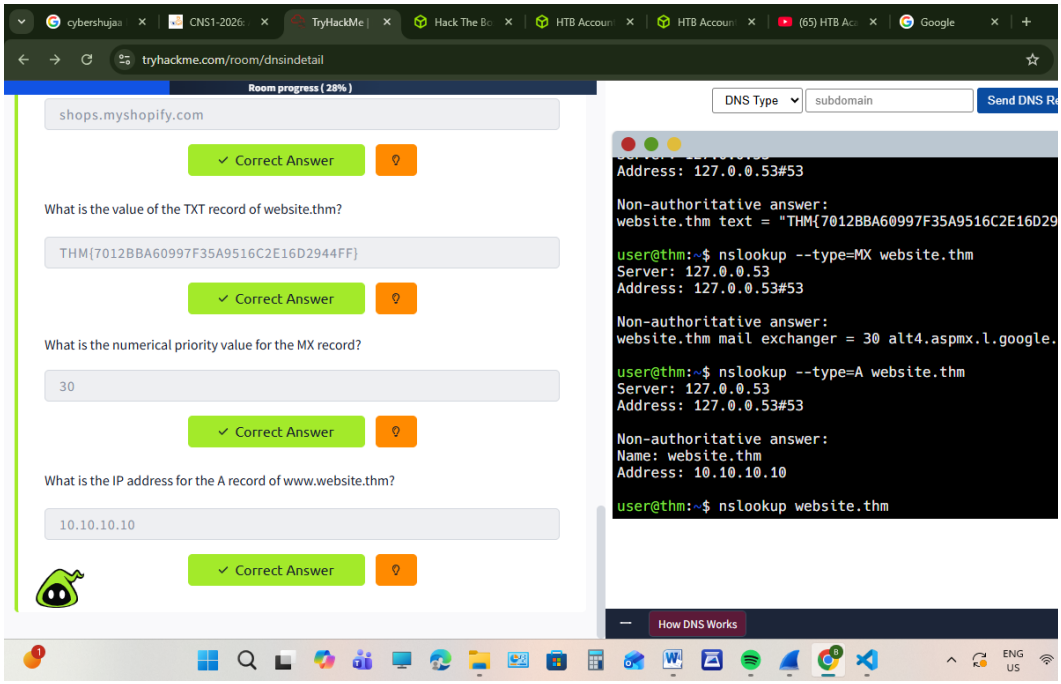
4. What is the IP address for the A record of www.website.thm?



10.10.10.10



I have completed the module as shown above

The link to vie the assignment

- https://tryhackme.com/room/dnsindetail

Conclusion

In conclusion the assignment enhanced the understanding of how the Domain Name System 9DNS) works and its role in network communication. It demonstrated how domain names are resolved into IP addresses and highlighted the importance of DNS in ensuring efficient and secure network operations.