Ex. No: 4

SQL INJECTION LAB

Aim:

To do perform SQL Injection Lab in TryHackMe platform to exploit various vulnerabilities.

Algorithm:

1. Access the SQL Injection Lab in TryHackMe platform using the link- https://tryhackme.com/r/room/sqlilab
2. Click Start Attack Box to run the instance of Kali Linux distribution.
3. Perform SQL injection attacks on the following-

a) Input Box Non-String

b) Input Box String

c) URL Injection

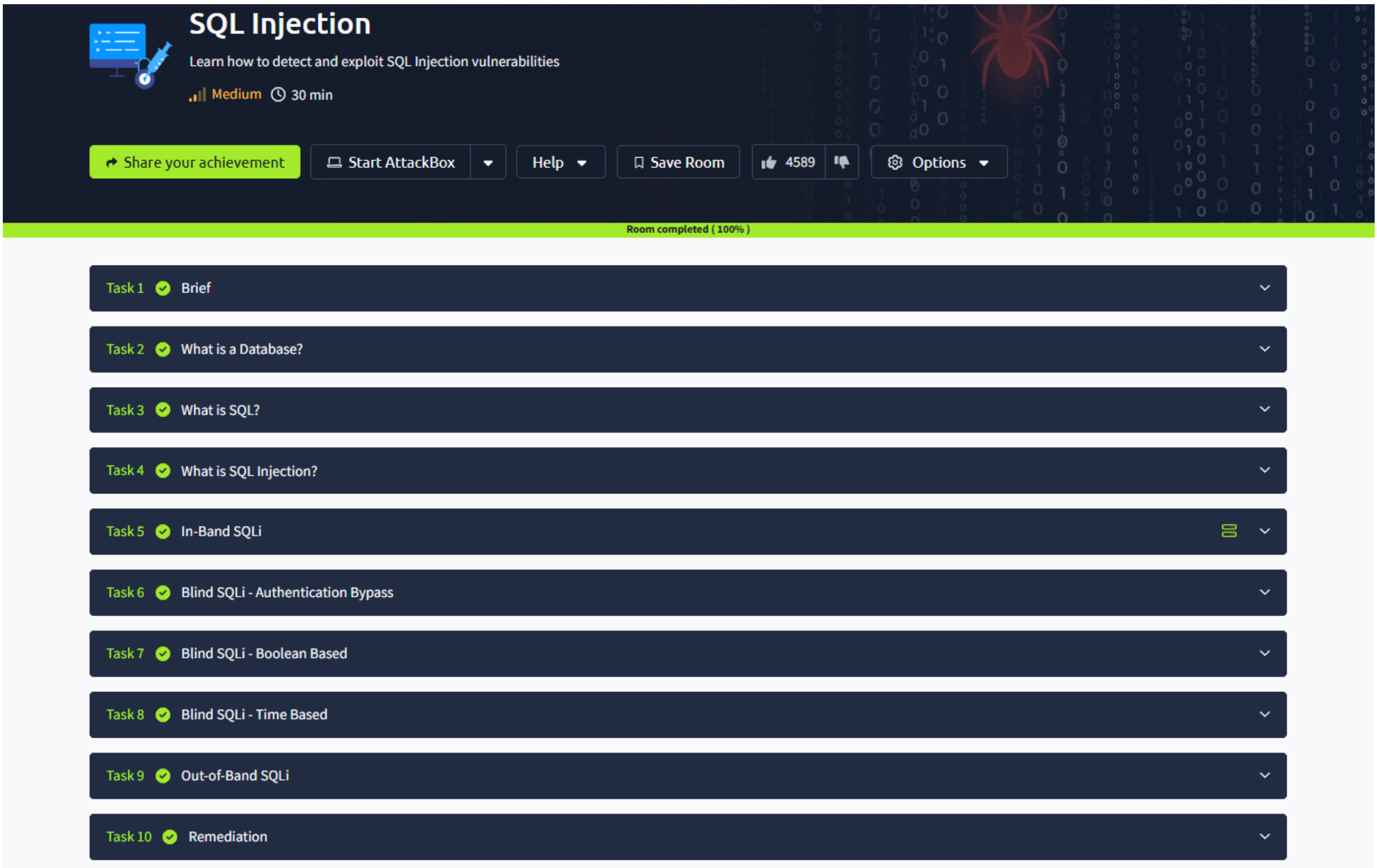
d) POST Injection

e) UPDATE Statement

4. Perform broken authentication of login forms with blind SQL injection to extract admin password
5. Perform UNION-based SQL injection and exploit the vulnerable book search function to retrieve the flag

Output:

SQL INJECTION LAB



SQL Injection

Learn how to detect and exploit SQL Injection vulnerabilities

Room completed (100%)

- Task 1 ✓ Brief
- Task 2 ✓ What is a Database?
- Task 3 ✓ What is SQL?
- Task 4 ✓ What is SQL Injection?
- Task 5 ✓ In-Band SQLi
- Task 6 ✓ Blind SQLi - Authentication Bypass
- Task 7 ✓ Blind SQLi - Boolean Based
- Task 8 ✓ Blind SQLi - Time Based
- Task 9 ✓ Out-of-Band SQLi
- Task 10 ✓ Remediation

Result:

Thus, the various exploits were performed using SQL Injection Attack in TryHackMe platform.