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EXPERIMENT:4

## SQL INJECTION LAB

### AIM:

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

### ALGORITHM:

- 1.Access the SQL Injection Lab in TryHackMe platform.
- 2.Click Start AttackBox to run instance of kali linux distribution.
- 3.Perform SQL injection attacks on 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 function and retrieve the flag.

### OUTPUT:

Profile Logout SQL Injection 1: Input Box Non-String

Francois's Profile

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

Log in

Log in

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          |                   |

Home **Edit Profile** Logout SQL Injection 5: UPDATE Statement

Francois's Profile

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

RESULT:

Thus, the variety exploits were performed using SQL Injection Attack.