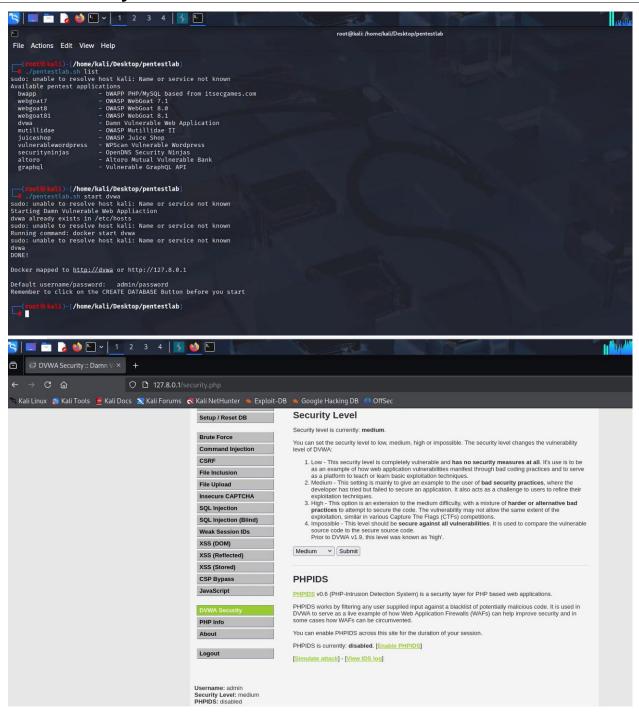
Name:-Ajeet Kumar

Project:- Web Application Security Testing with DVWA

Objective: To identify and exploit common web application vulnerabilities, including SQL Injection, Cross-Site Scripting (XSS), and Authentication Flaws, in order to understand their implications and the importance of security measures.

Key Components:

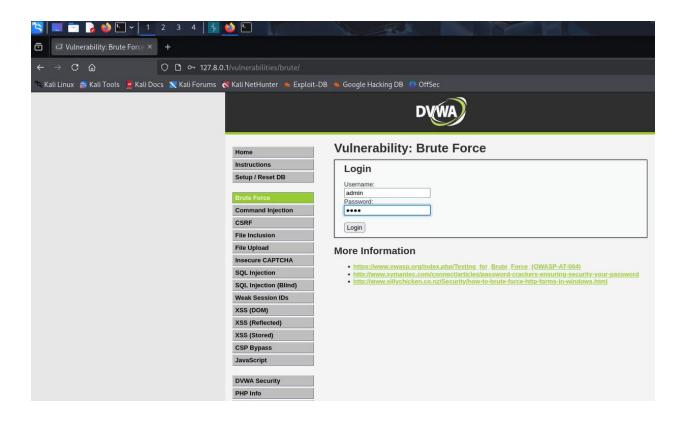
Medium Security Level Vulnerabilities



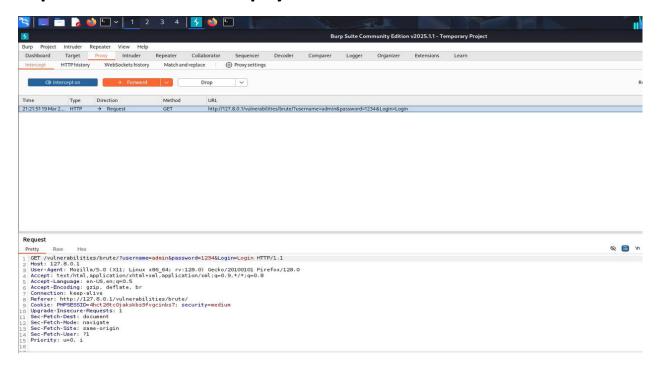
Authentication Flaws (Medium Severity):

Description: Medium-level authentication flaws might include issues like weak password policies or session fixation vulnerabilities that do not immediately compromise user accounts but can be exploited under certain conditions.

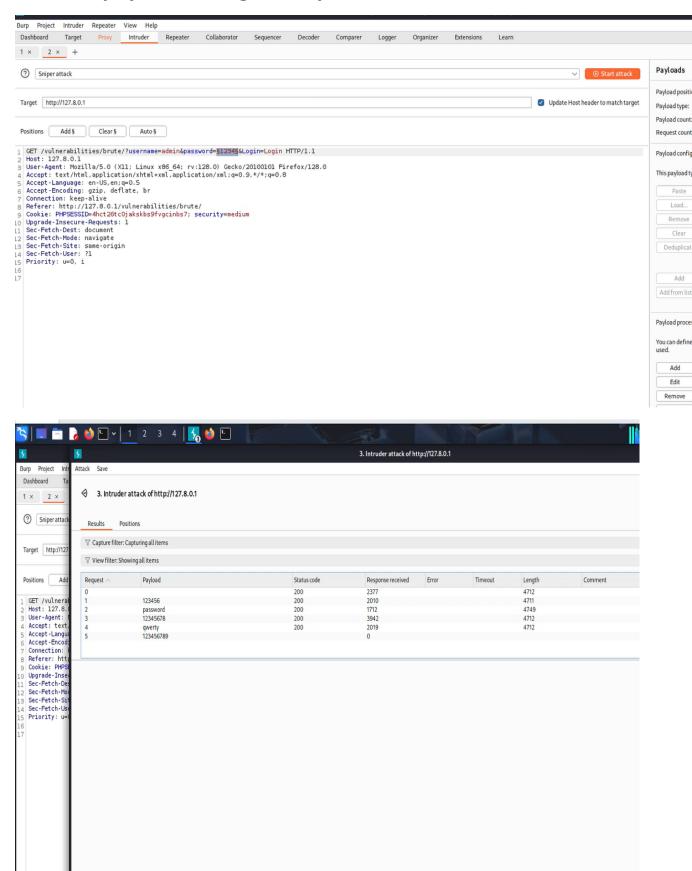
Using passward attck



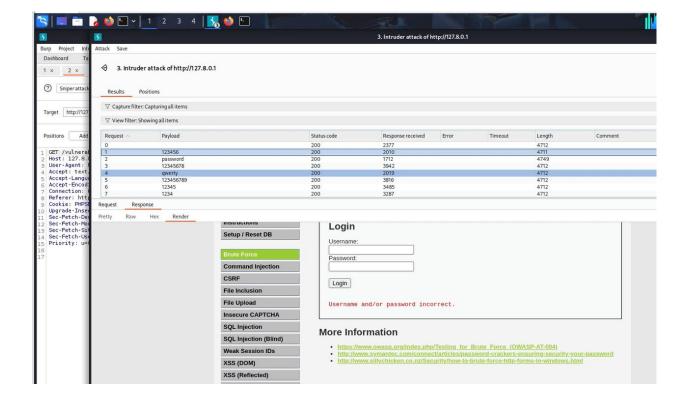
Open Intruder and set payload location

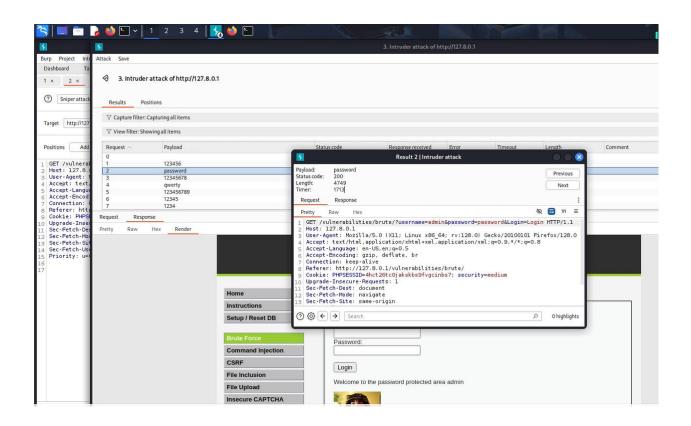


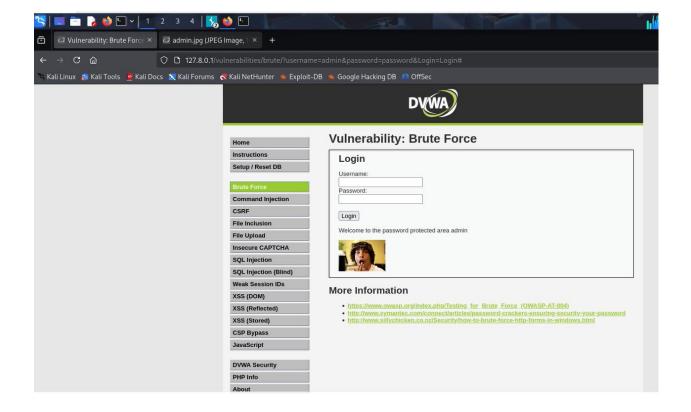
Now set payloads using load options



Use can easily identify that request have different length, and use that Password to Login. Check All unique length on package request for Login.

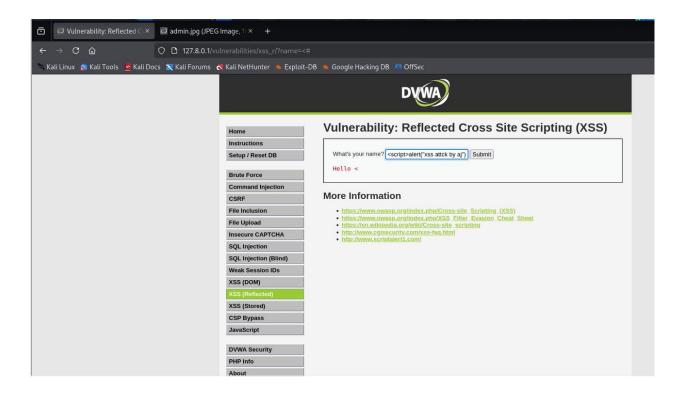




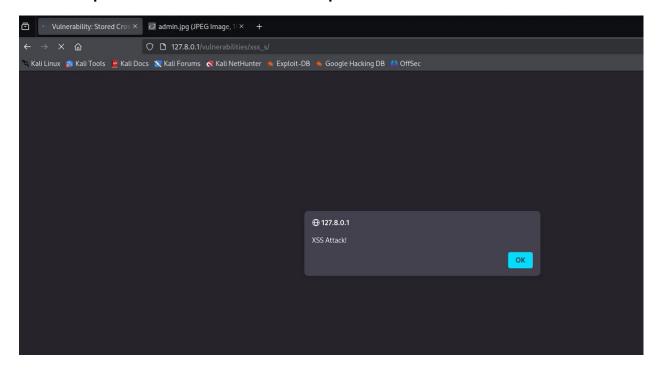


Cross-Site Scripting (XSS)

Identified and exploited both reflected and stored XSS vulnerabilities, demonstrating how attackers can inject malicious scripts to compromise user sessions and data integrity.



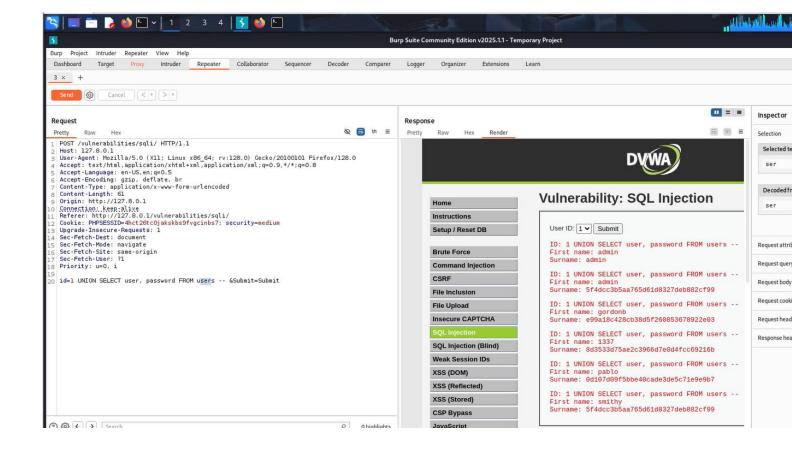
(<script>alert("xss")</script>)



SQL Injection:

Exploited SQL injection vulnerabilities to manipulate database queries, allowing me to extract sensitive information such as user credentials and other critical data.

(id=1 UNION SELECT user, password FROM users -- &Submit=Submit)



Last of hash md5 encrypt to Decrypt

