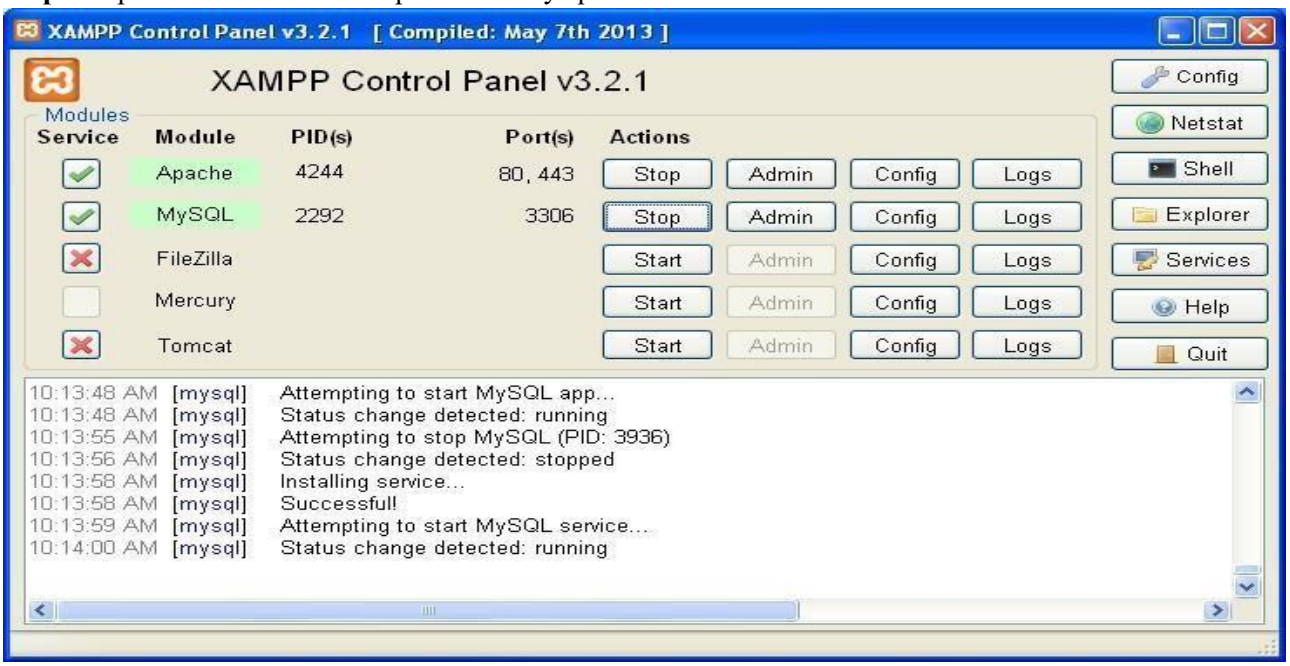
Practical :- 7

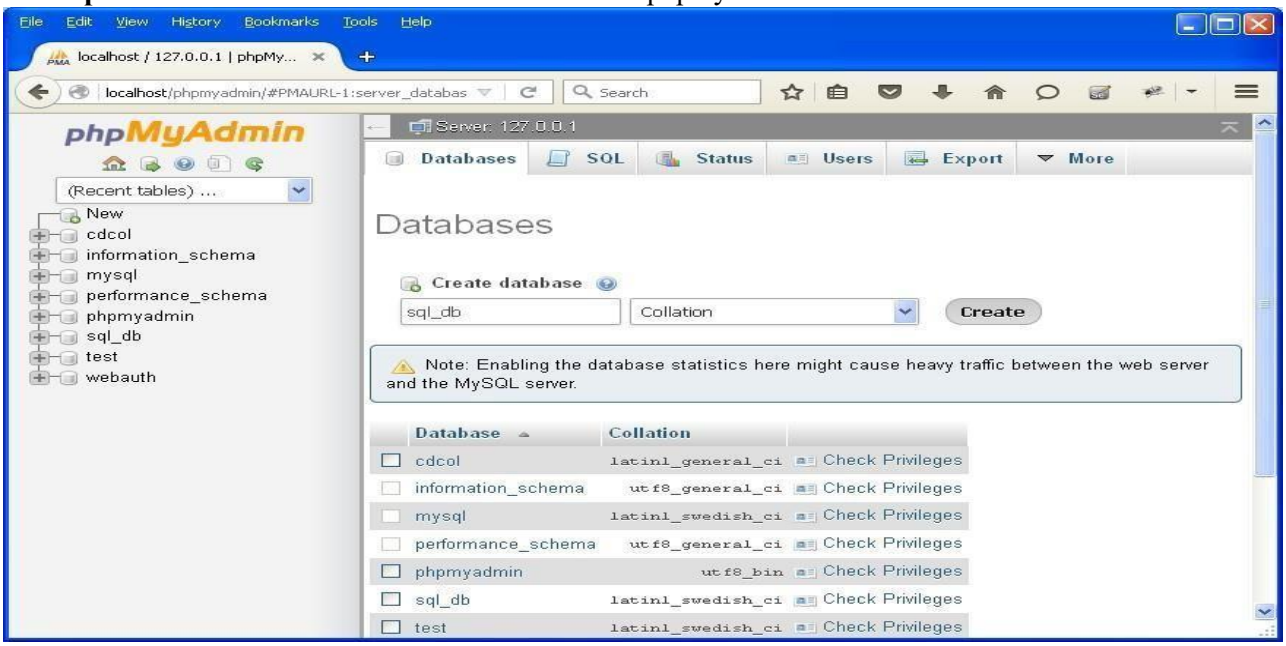
Aim :- SQL Injection Attack.

- Identify a web application vulnerable to SQL injection.
- Craft and execute SQL injection queries to exploit the vulnerability.
- Extract sensitive information or manipulate the database through the SQL injection attack.

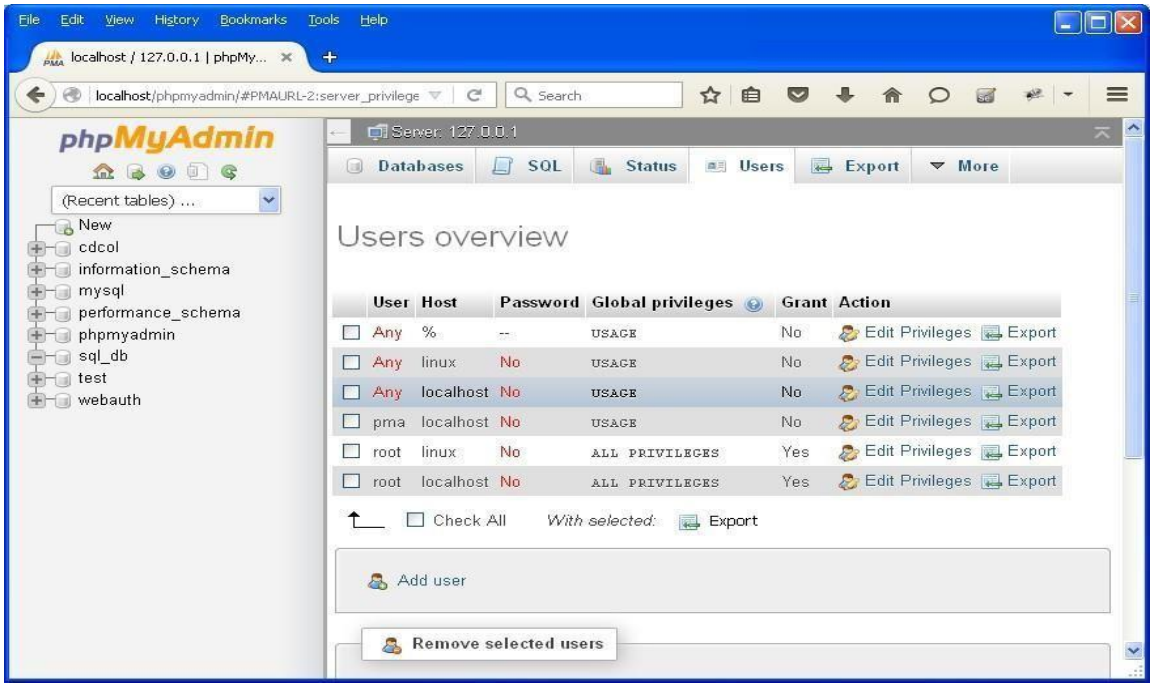
Step 1: Open XAMPP and start apache and mysql.



Step 2: Go to web browser and enter site localhost/phpmyadmin.



Step 3: Create database with name sql_db.



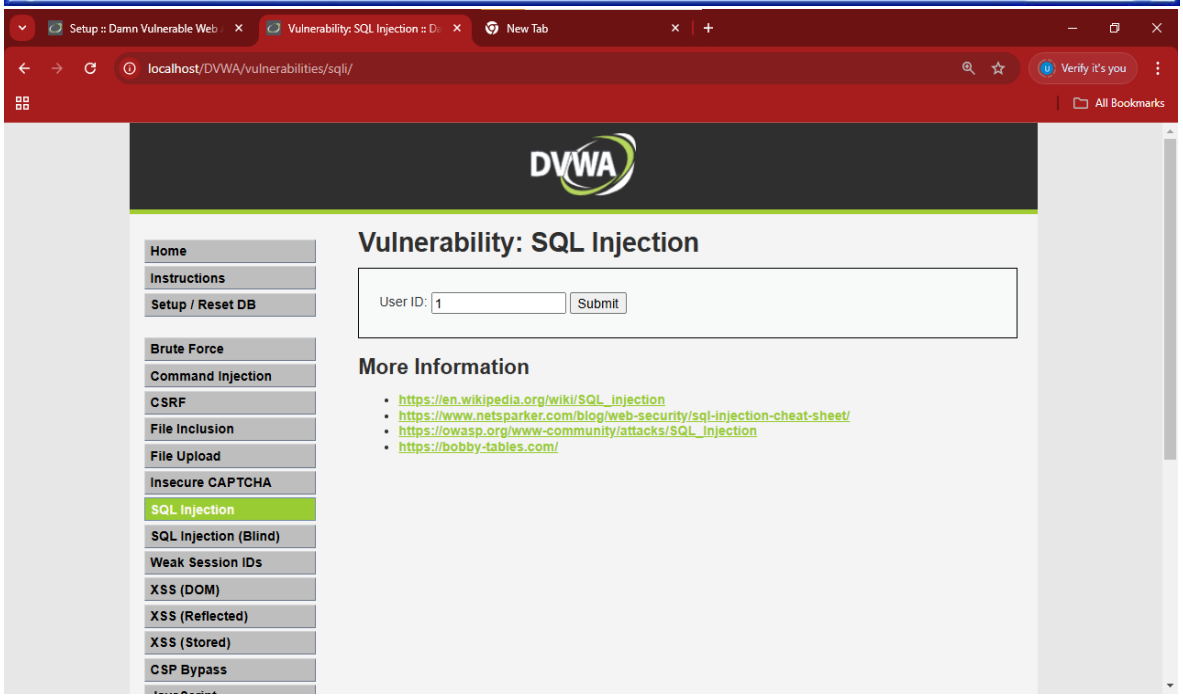
Step 4: Go to site localhost/sql_injection/setup.php and click on create/reset database.

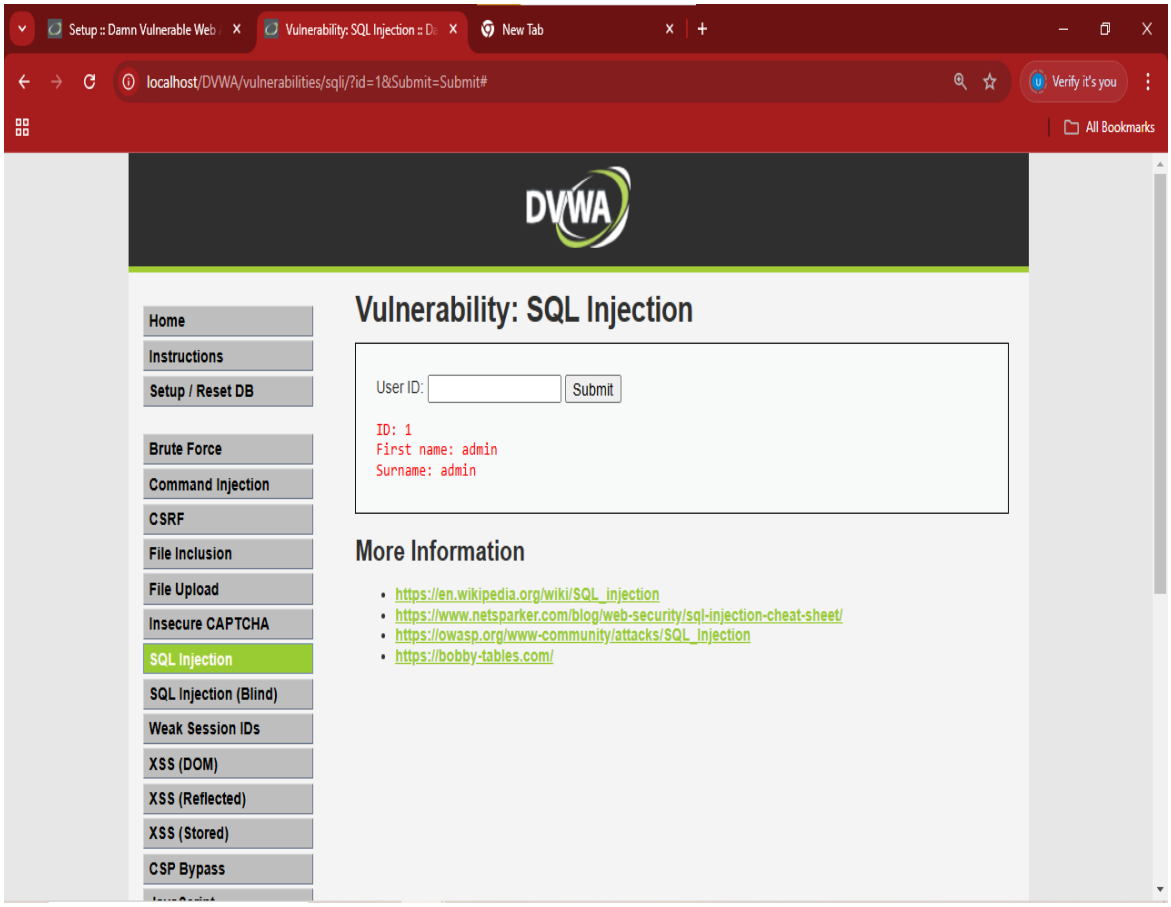
Step 5: Go to login.php and login using admin and .

Step 6: Opens the home page.

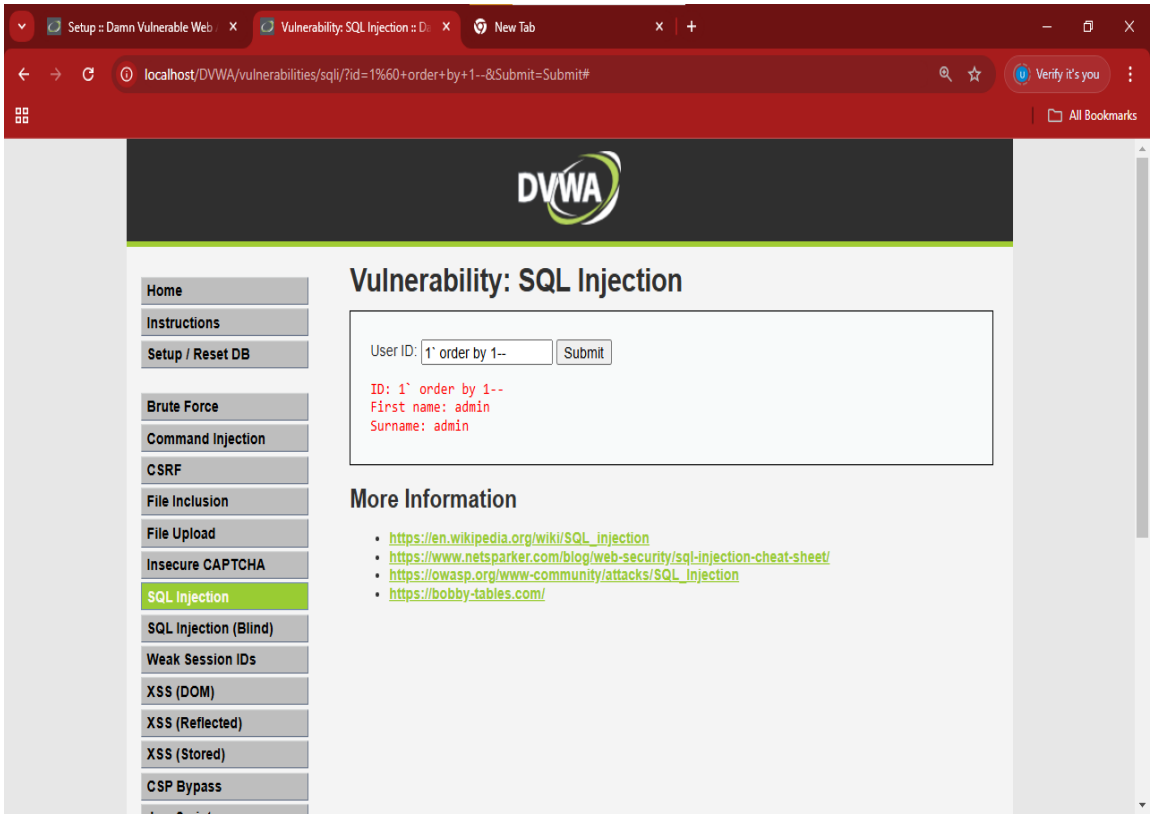
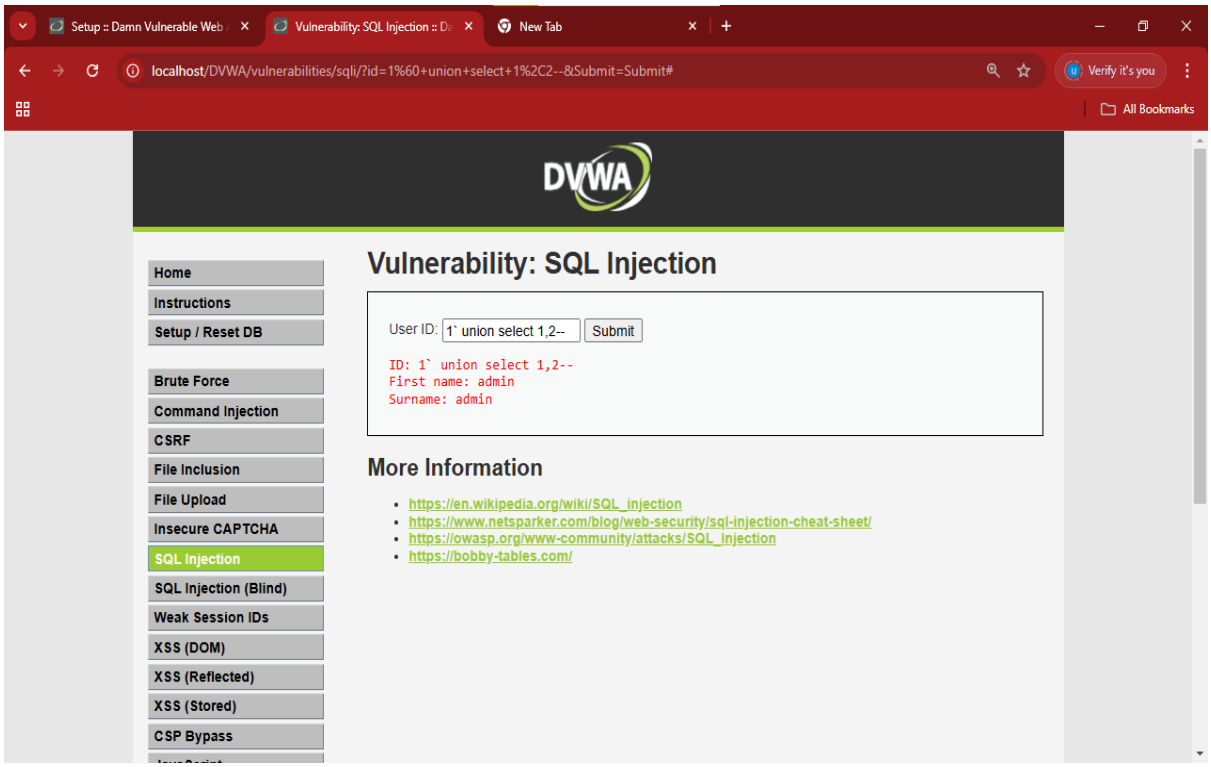
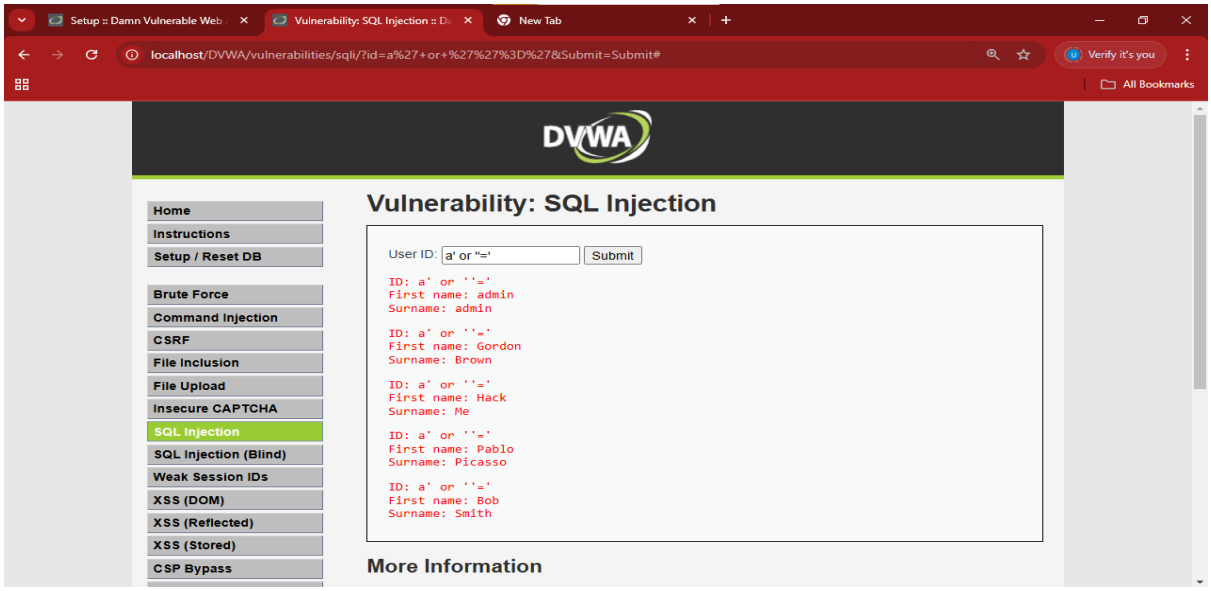
Step 7: Go to security setting option in left and set security level low.

File Edit View History Bookmarks Tools Help
localhost / 127.0.0.1 / prachi ...
Damn Vulnerable Web App (D...
localhost/Sql_injection/security.php
Search
DVWA
Home
Instructions
Setup
Brute Force
Command Execution
CSRF
Insecure CAPTCHA
File Inclusion
SQL Injection
SQL Injection (Blind)
Upload
XSS reflected
XSS stored
DVWA Security
Script Security
Security Level is currently high.
You can set the security level to low, medium or high.
The security level changes the vulnerability level of DVWA.
low
Submit
PHPIDS
PHPIDS v.0.6 (PHP-Intrusion Detection System) is a security layer for PHP based web applications.
You can enable PHPIDS across this site for the duration of your session.
PHPIDS is currently disabled. [enable PHPIDS]
[Simulate attack] - [View IDS log]


Setup :: Damn Vulnerable Web
Vulnerability: SQL Injection :: D
New Tab
localhost/DVWA/vulnerabilities/sqli/
Verify it's you
All Bookmarks
DVWA
Home
Instructions
Setup / Reset DB
Brute Force
Command Injection
CSRF
File Inclusion
File Upload
Insecure CAPTCHA
SQL Injection
SQL Injection (Blind)
Weak Session IDs
XSS (DOM)
XSS (Reflected)
XSS (Stored)
CSP Bypass
Vulnerability: SQL Injection
User ID: 1
Submit
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/



To check No. of Columns:



Select All Columns and check for one by one: