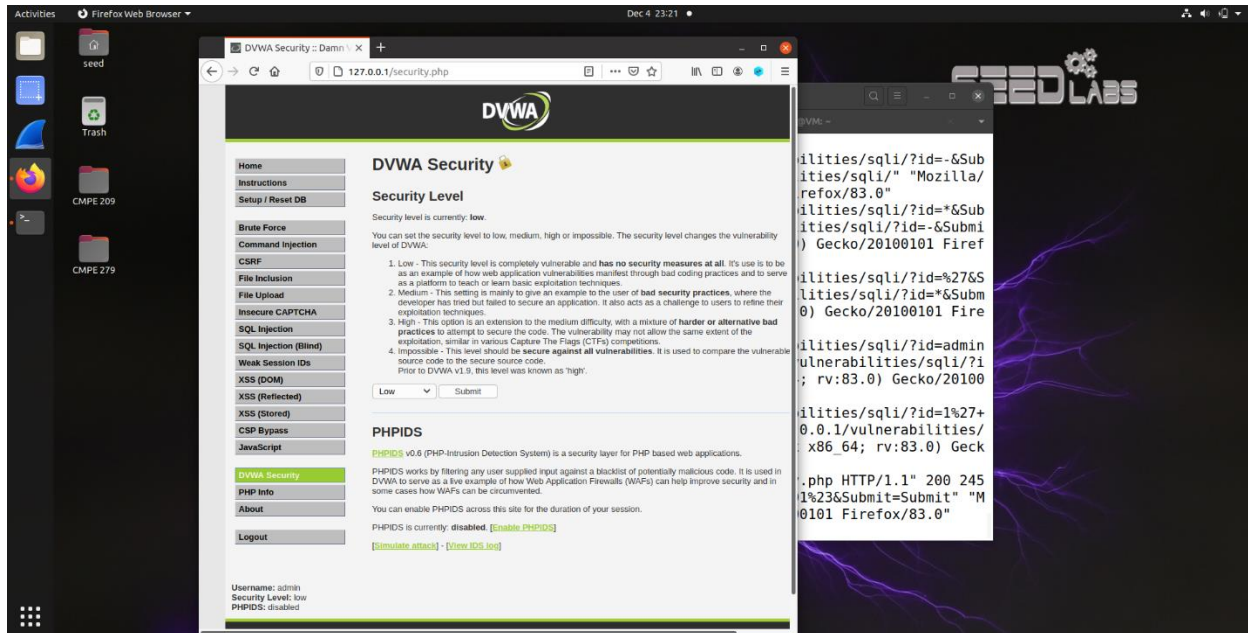
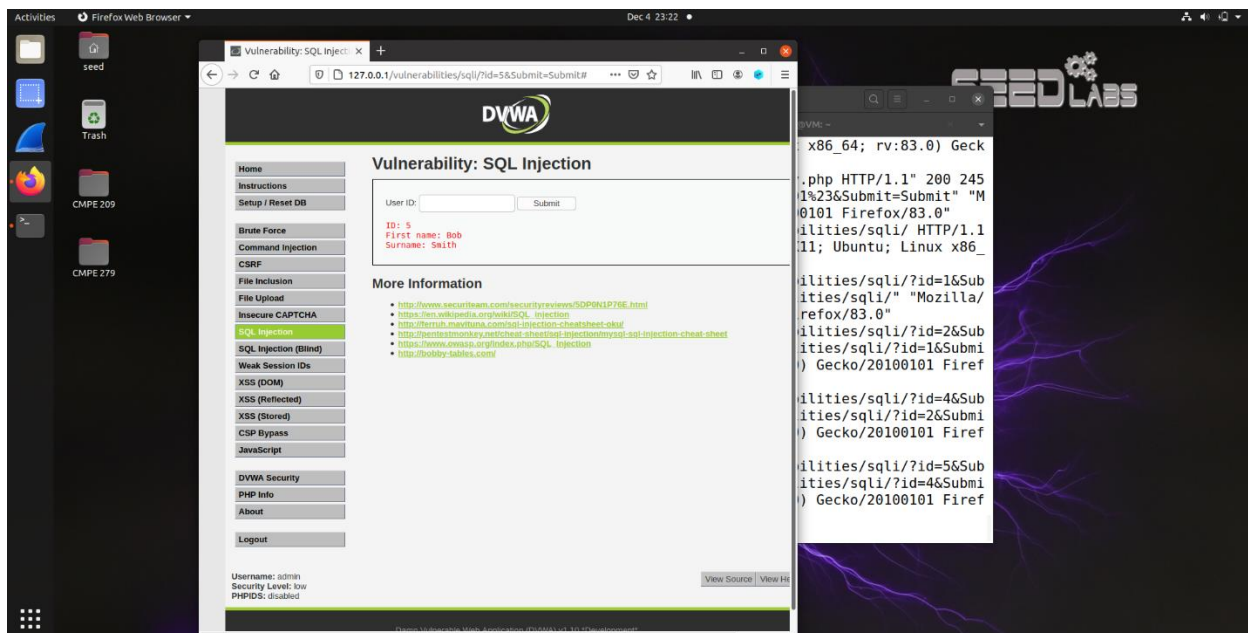


## CMPE 279 Assignment - 3

### Task -1 : Perform a SQL injection attack and retrieve the list of users in the user database (Low security)



### Try getting single user data using user id : 5



## CMPE 279 Assignment - 3

### Getting all Users in Database

I have used 1' or 1=1

'OR '1'='1 returns all rows from the queried table

This input string closes the first string parameter, which is supposed to be the user Id, and adds an always true condition. All database users will now be returned since the query was treated as True.

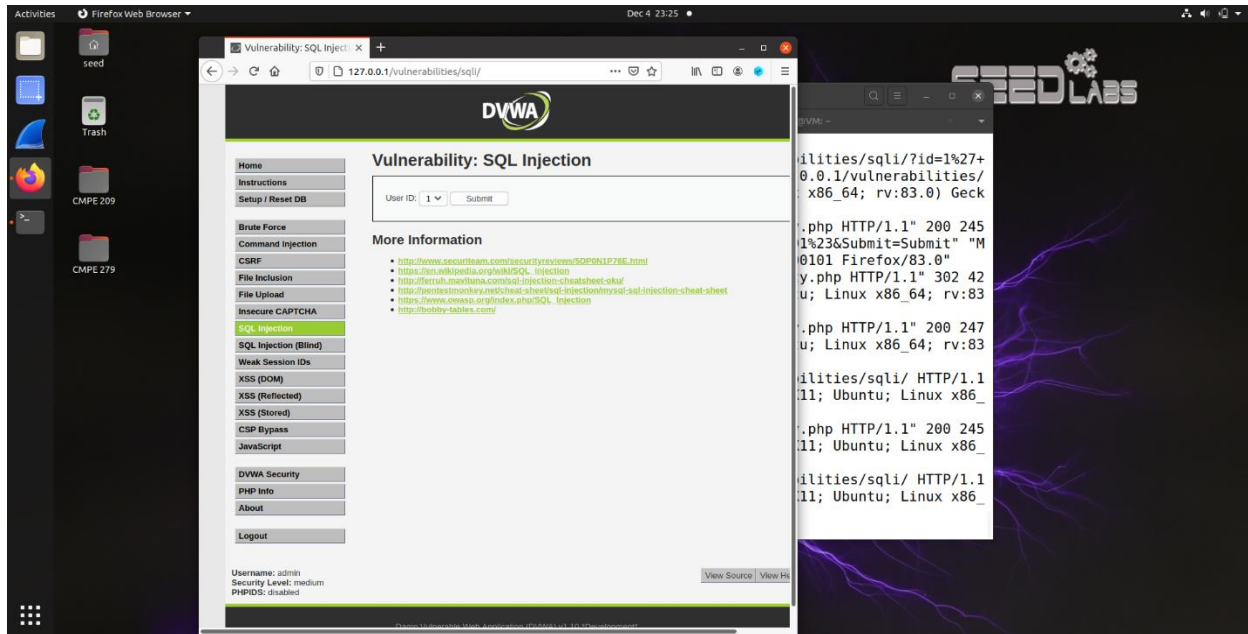
The screenshot shows the DVWA (Damn Vulnerable Web Application) interface. The 'Vulnerability: SQL Injection' page is active. The 'User ID' field contains the payload '1' or 1=1'. The 'Submit' button has been clicked, and the results are displayed below the input field. The results show a list of users: 'ID: 1' or 1=1#', 'First name: admin', 'Surname: admin', 'ID: 1' or 1=1#', 'First name: Gordon', 'Surname: Brown', 'ID: 1' or 1=1#', 'First name: Hack', 'Surname: No', 'ID: 1' or 1=1#', 'First name: Pablo', 'Surname: Picasso', 'ID: 1' or 1=1#', 'First name: Bob', 'Surname: Smith'. The 'More Information' section lists several links related to SQL injection. The 'DVWA Security' section shows the current security level as 'low' and 'PHPIDS: disabled'.

### Task 2 : Switching the security level in DVWA to “Medium”

The screenshot shows the DVWA 'Security' page. The 'Security Level' is currently set to 'medium'. The page explains that the security level can be set to low, medium, high, or impossible, and that it changes the vulnerability level of DVWA. The 'PHPIDS' section is also visible, showing that it is currently disabled. The 'Submit' button is present at the bottom of the security level selection area.

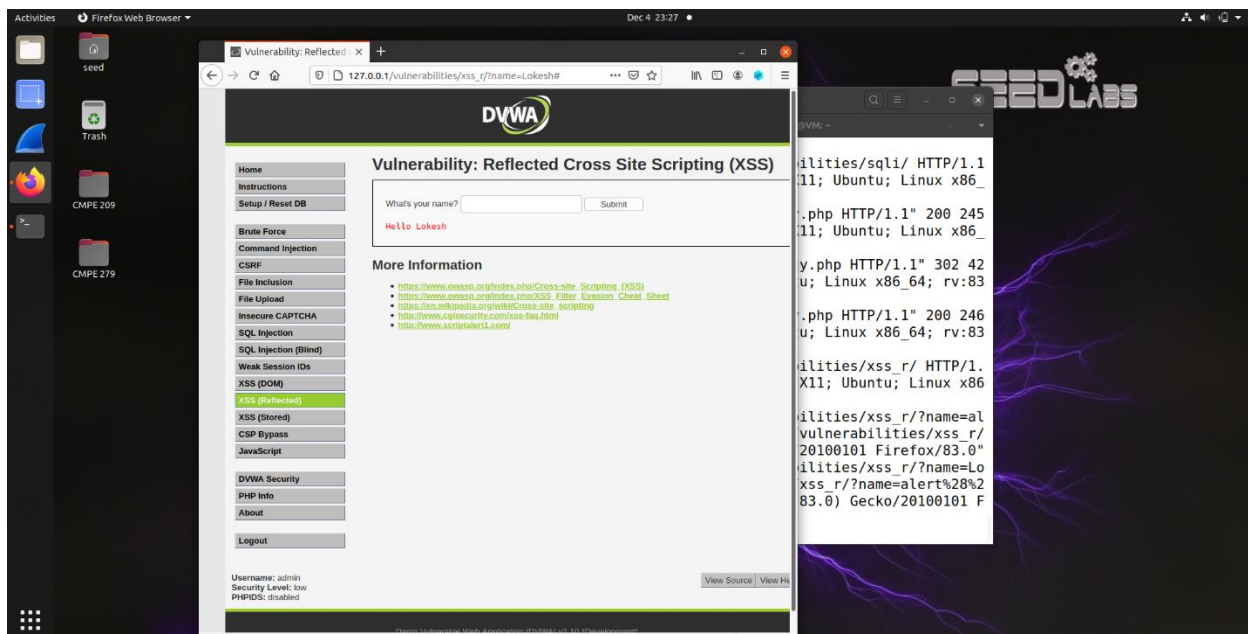
## CMPE 279 Assignment - 3

I have changed the security to medium it won't work since there isn't a textbox where we can enter our input; instead, there is a dropdown list from which we must select the id from the pre-provided list. They have therefore solved the issue by removing the textbox entry and replacing it with dropdown options.

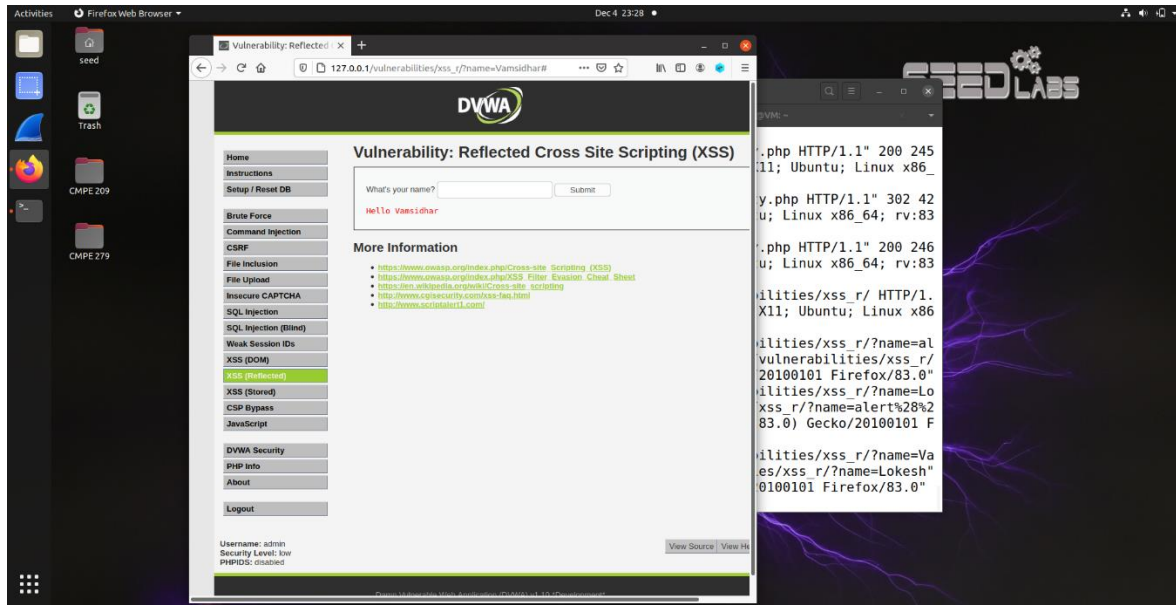


### Task 3 : reflected XSS attack

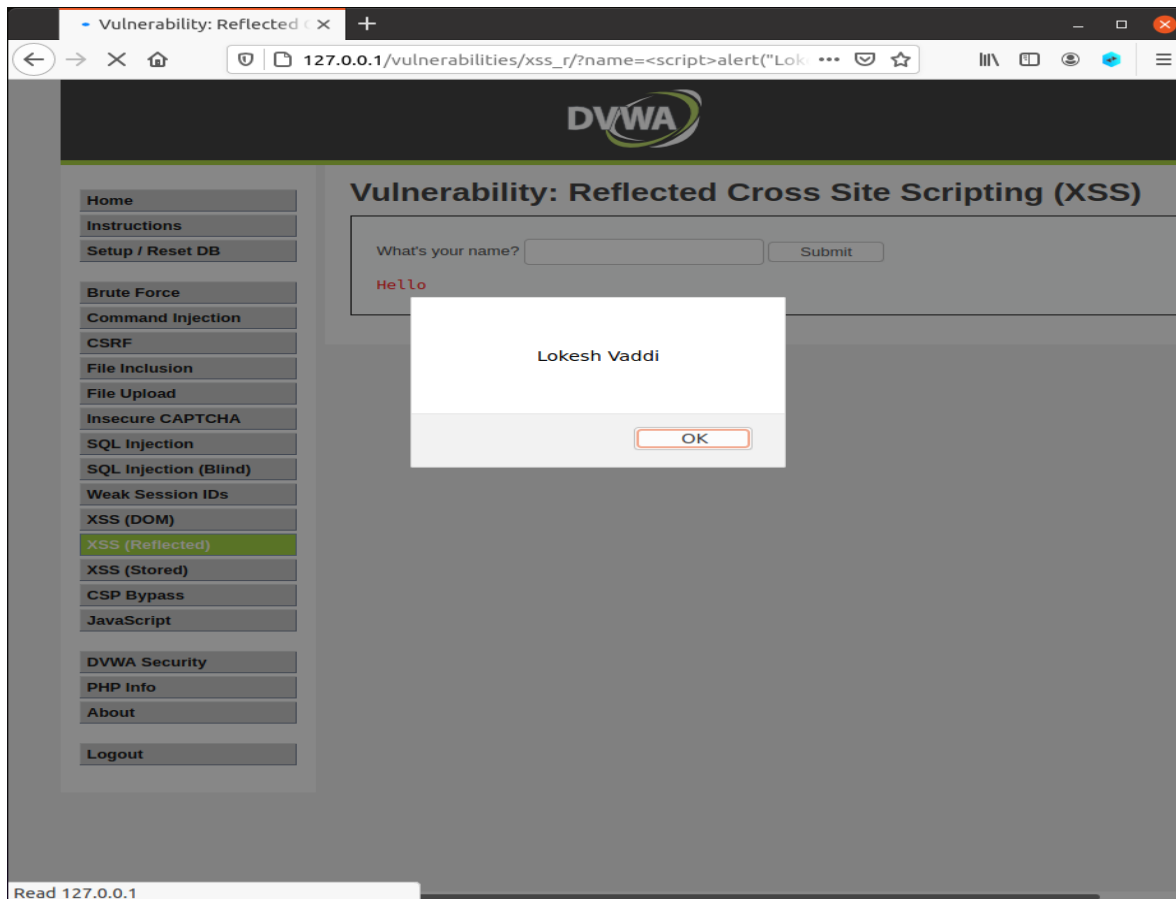
DVWA security level set to low



## CMPE 279 Assignment - 3



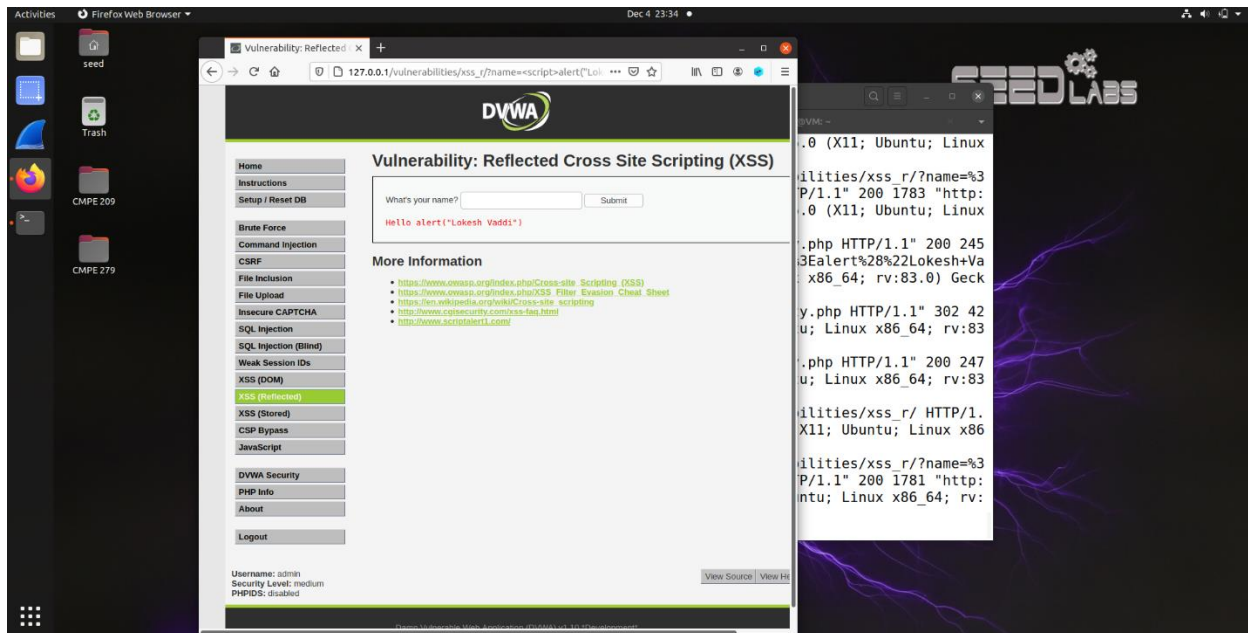
The input I used for the XSS attack was `<script>alert("Lokesh Vaddi")/script>`. This works because the webpage wrongly escapes the input string. Any user input is accepted, and the result is inserted into the DOM. When the website is updated with user input, the malicious JavaScript I just provided will then be run, and the alert of our choice will show.



## CMPE 279 Assignment - 3

switching the security level in DVWA to “Medium”.

XSS does not work website might have validated user input.



Team Members :

Lokesh Vaddi – 015999607

Vamsidhar Reddy - 015999191