

**NAME: ABINESHKUMAR MUTHUSAMY**

## **ASSIGNMENT – 3**

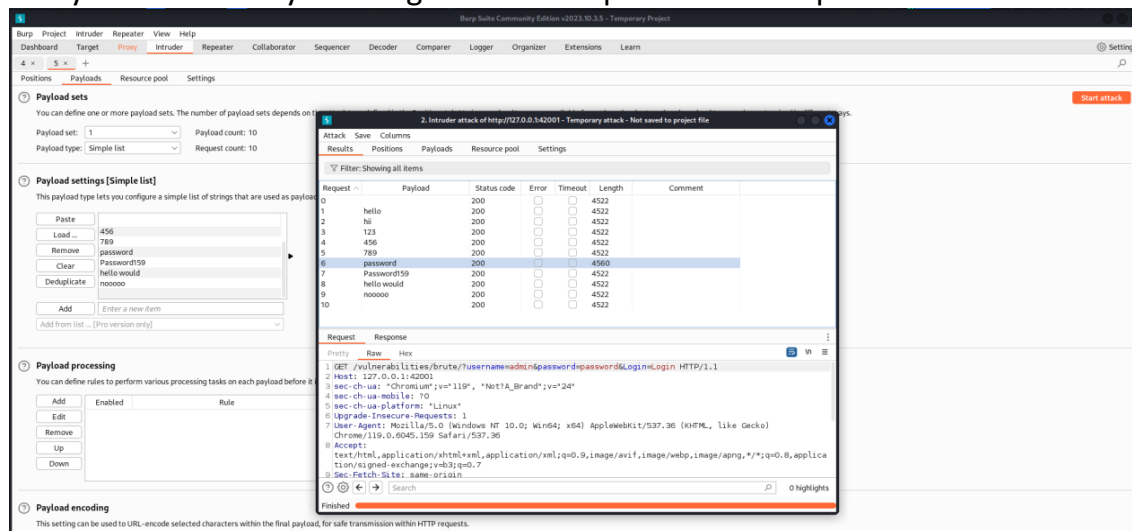
### **DVWA – DAMN VULNERABLE WEB APPLICATION**

#### **DVWA:**

DVWA was created for the beginners who really want to try some exploits and become an expert. This operates on Localhost and needs some configuration to set-up. It's IP is simply the localhost IP which is 127.0.0.1. In this assignment we've performed some exploits and have documented it.

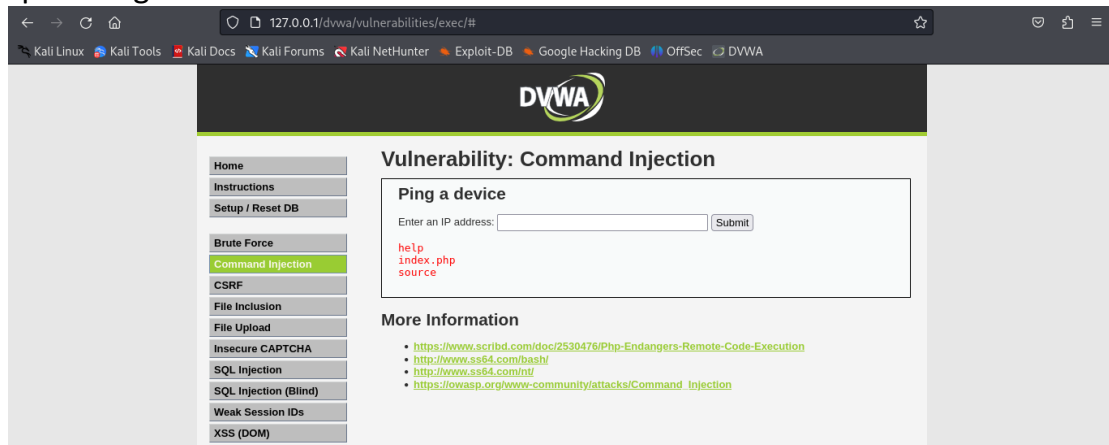
#### **BRUTE FORCE:**

Using Burpsuite, I've used brute forced several passwords and found the password and username successfully. Here the successful password can be easily determined by the length as it's unique from other passwords.

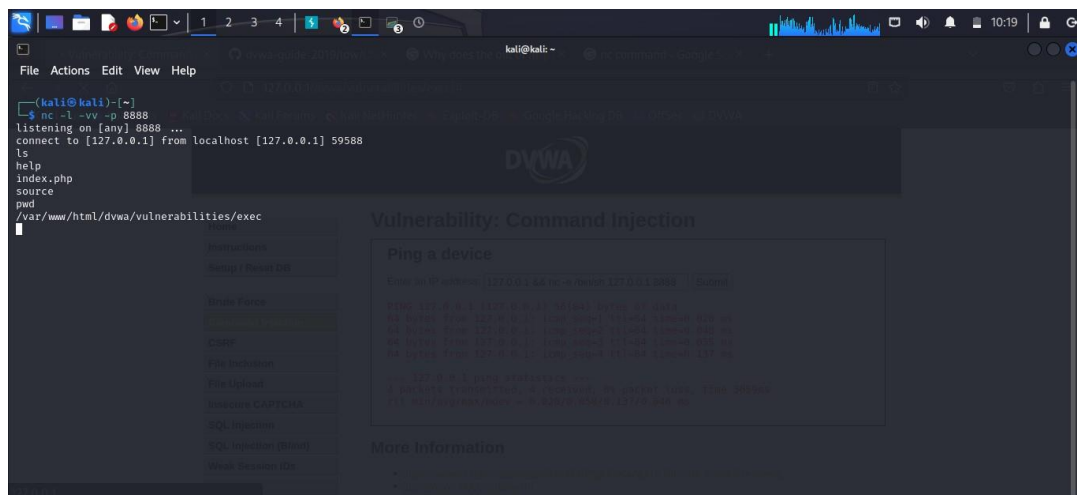


## COMMAND INJECTION:

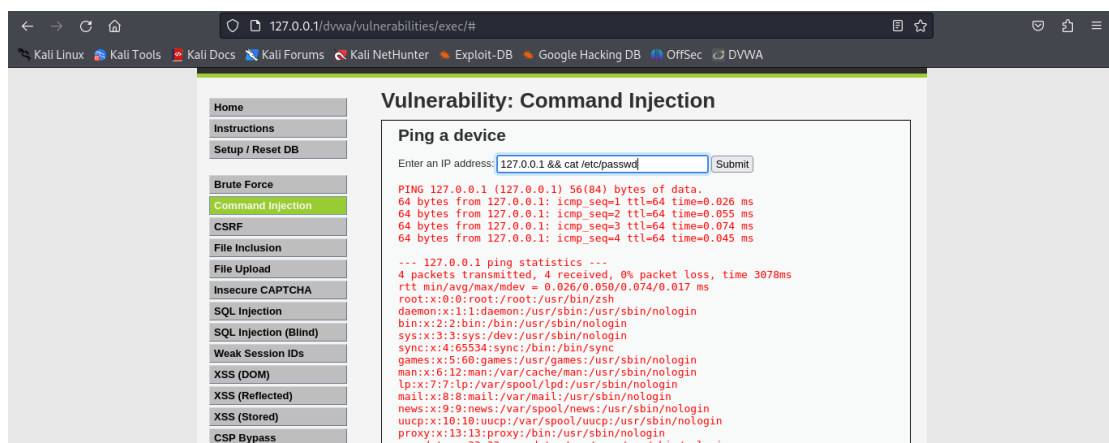
In Command Injection vulnerability, I've tried many exploits and have attached some screen snippets here. First I've tried ls command in the blank space to get the list of directories.



Here, I've used nc (netcat) on my terminal and connected to the localhost by injecting the command on the blank space to take full control.

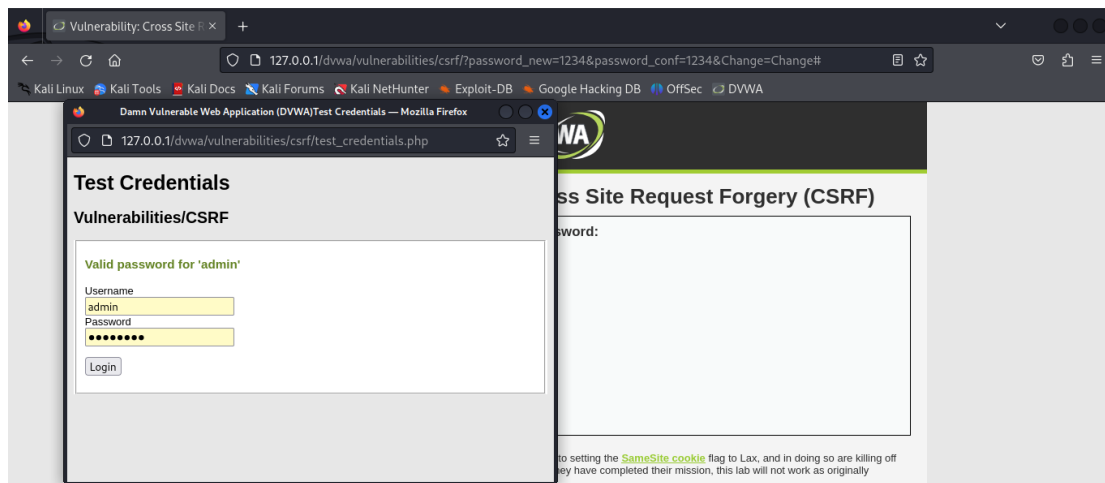


Here, I've used /etc/passwd to display the root files.



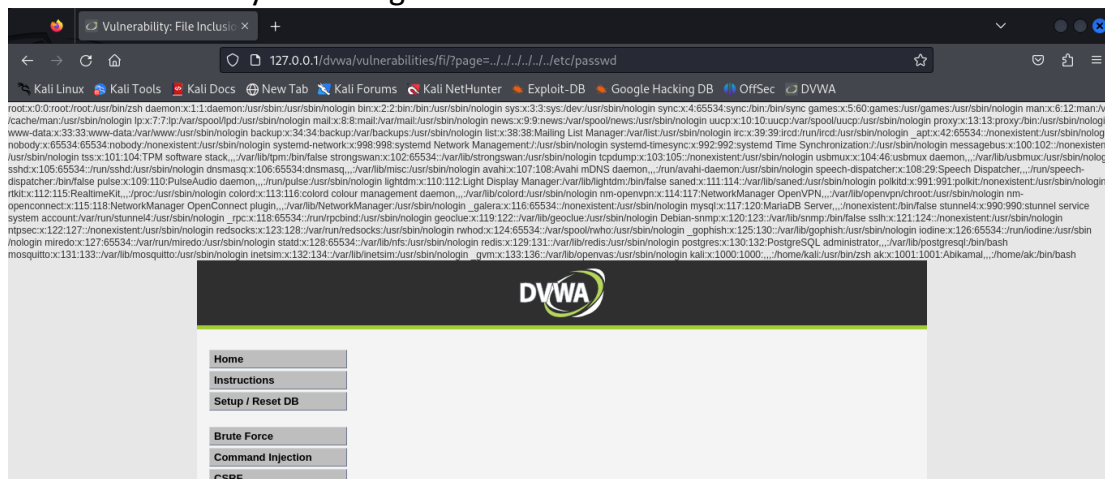
## CSRF:

Here, we can change the password by simply changing the URL by adding “?password\_new=xxxx&&password\_conf=xxxx&&change=change”.



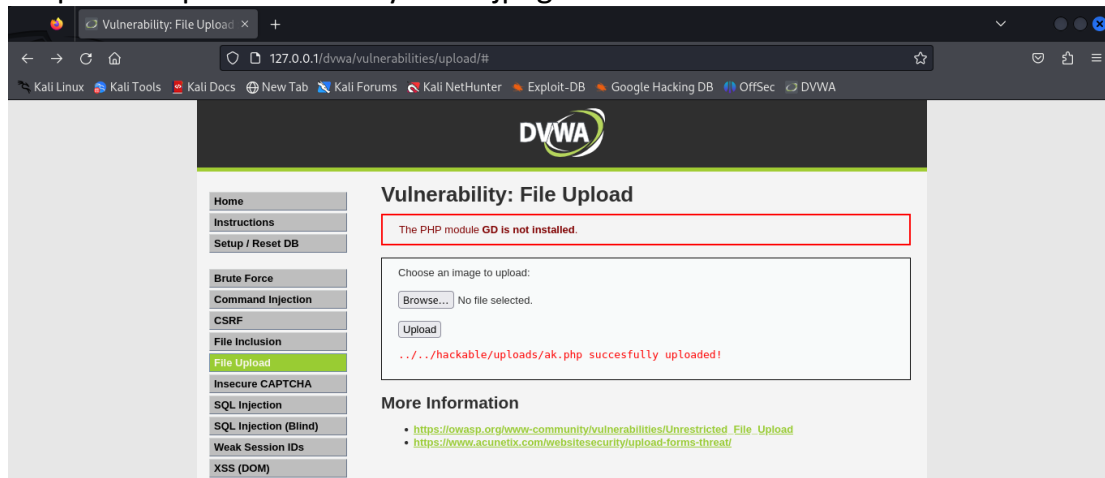
## FILE INCLUSION:

Here we can include file by adding /filename at the end and afterwards we can check it by accessing to the root file.



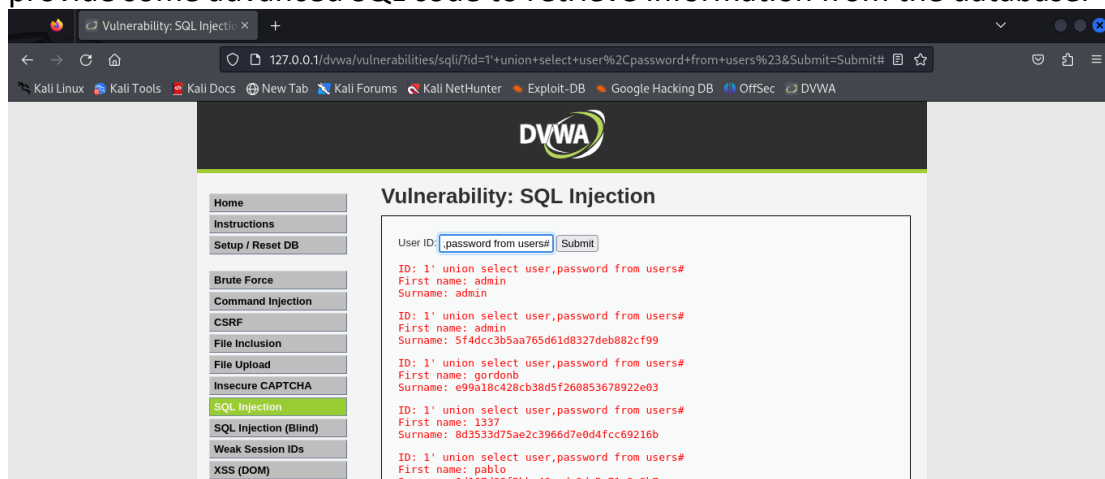
## FILE UPLOAD:

In low level vulnerability you can simply upload a file by uploading it whereas in a medium level you got to change the file type as image/jpeg using burp intercept as it can only allow jpeg file.



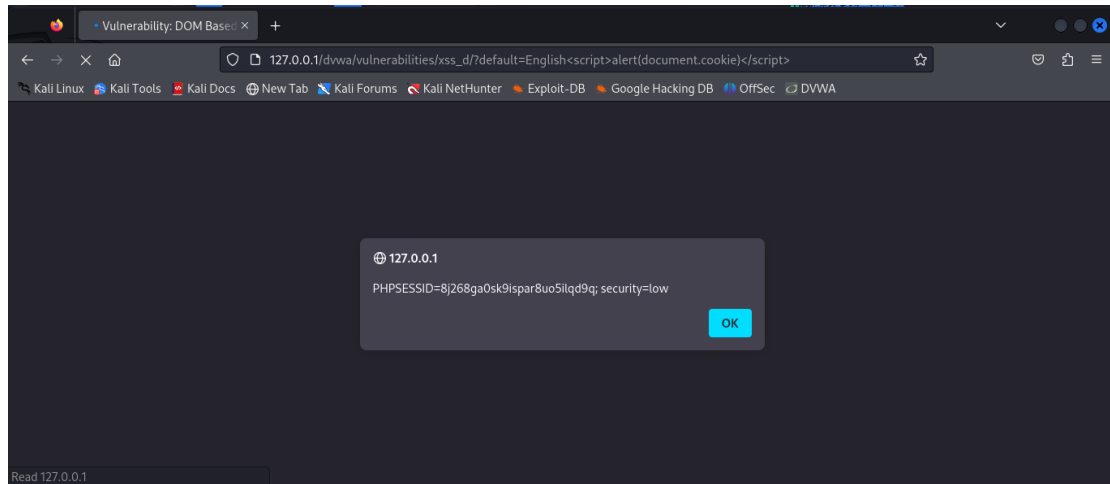
## SQL INJECTION:

Using SQL injection we first have to find whether it's vulnerable to SQL using the basic commands like '1 or 1=1#' and if it's vulnerable we got to provide some advanced SQL code to retrieve information from the database.



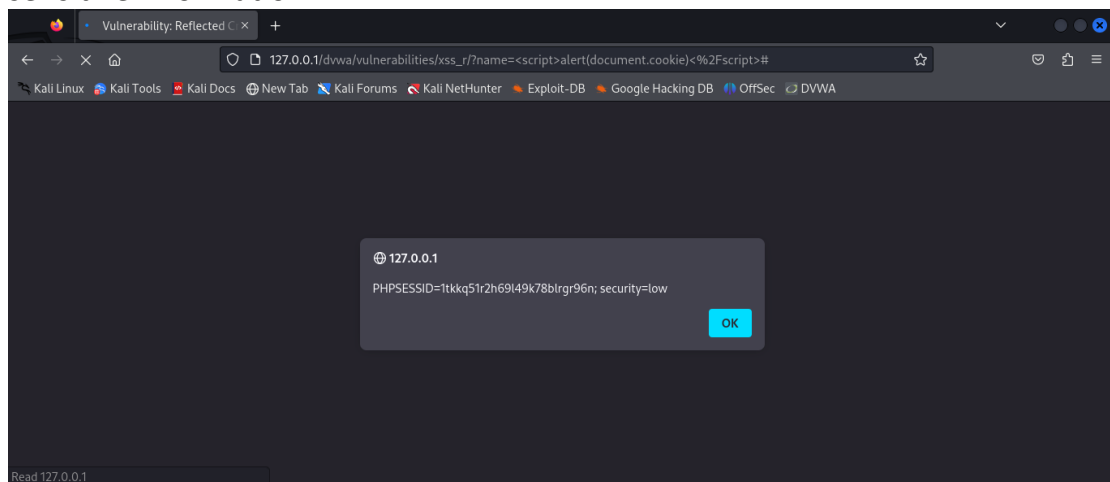
## XSS DOM:

Here, we've to change the script on the URL to show the sensitive information.



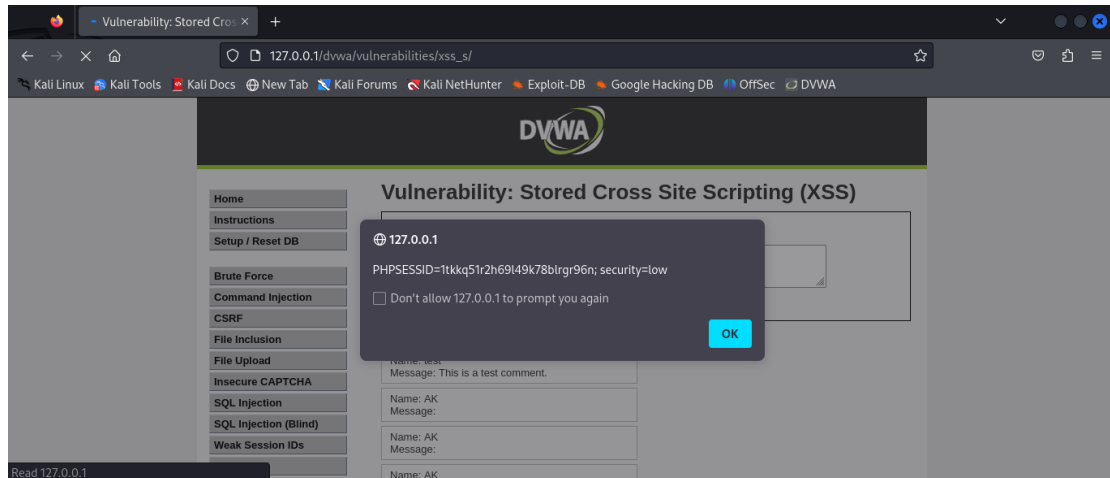
## XSS REFLECTED:

Here we've to insert the script in the blank space provided to retrieve sensitive information.



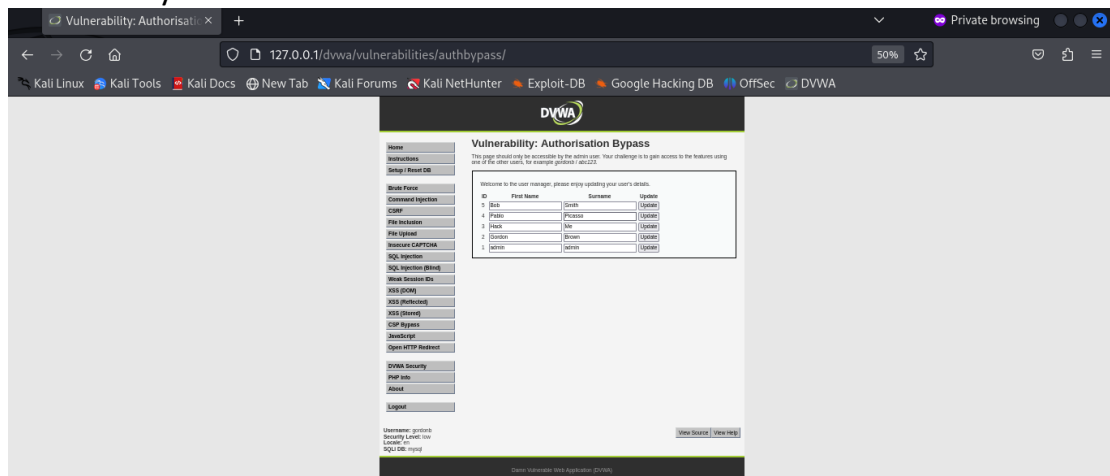
## XSS STORED:

Here, we are inserting the script on the message option provided to retrieve the sensitive information.



## AUTHORIZATION BYPASS:

Here, the main task is to login as a normal user and bypass the features which are only provided to the admin. I've logged in as Gordon and bypassed successfully.



I've also done the medium level of bypassing successfully using Burpsuite by simply adding get\_user\_data.php at the end of the URL.

