TASK 15 DVWA REPORT

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DVWA INSTALLATION

- Step 1: Cloning the PentestLab repository git clone https://github.com/eystsen/pentestlab.git
- Step 2: Using the PentestLab directory navigation, the pentestlab folder was then added to the directory cd pentestlab
- Step 3: Listing the PentestLab Directory's Contents ls
- Step 4: Listing labs that are available ./pentestlab
- Step5: Starting the DVWA Lab ./pentestlab.sh start dvwa
- Step 6: Accessing DVWA http://127.8.0.1 at web browser.

```
(kali® kali)-[~]
$ git clone https://github.com/eystsen/pentestlab.git
Cloning into 'pentestlab'...
remote: Enumerating objects: 153, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 153 (delta 7), reused 13 (delta 7), pack-reused 136 (from 1)
Receiving objects: 100% (153/153), 42.69 KiB | 753.00 KiB/s, done.
Resolving deltas: 100% (73/73), done.

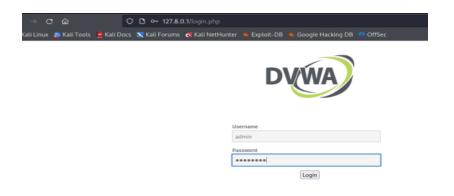
[kali@ kali)-[~]
$ cd pentestlab

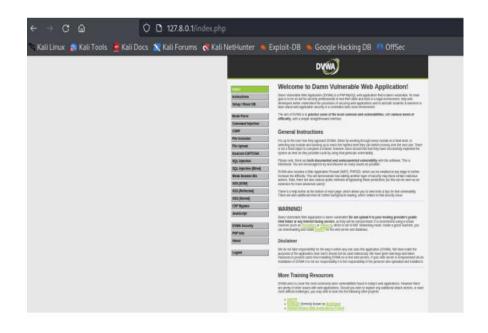
[kali@ kali)-[~/pentestlab]
sinstall_docker_kali_x64.sh pentestlab.sh README.md
```

```
| Available pentest applications | Mapp | Penp/MySQL | based from itsergames.com | Penp/MySQL | Penp/MySQL | Based from itsergames.com | Penp/MySQL | P
```

Login to DVWA using

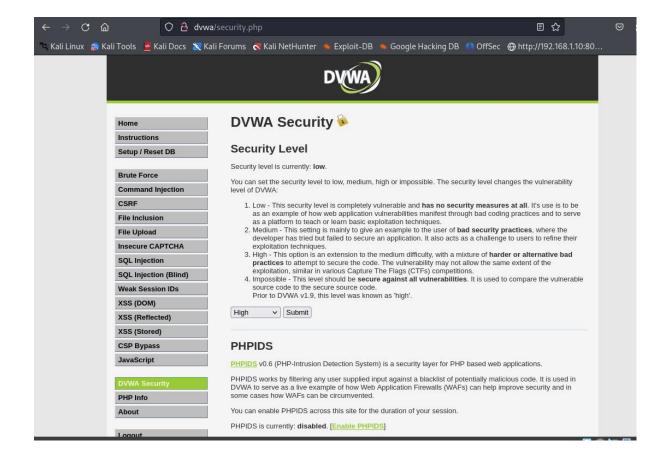
Username as 'admin' and password as 'password'

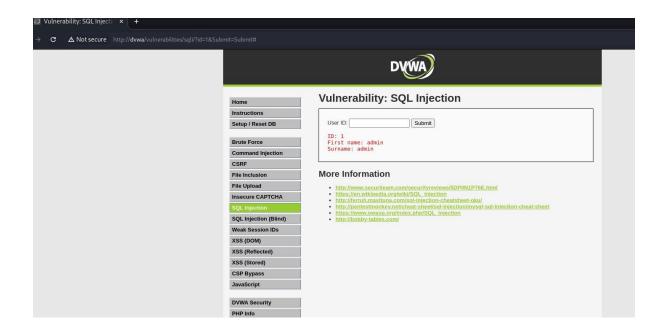




LOW LEVEL SQL INJECTION

After setting the DVWA security level to low and identifying an injection point, I attempted an initial injection using '1'. This allowed me to retrieve the first and last names of user 1.

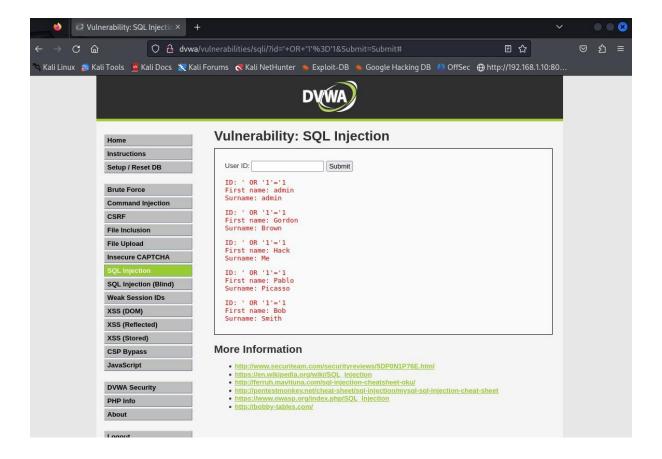




To gather more information, I injected the following code:

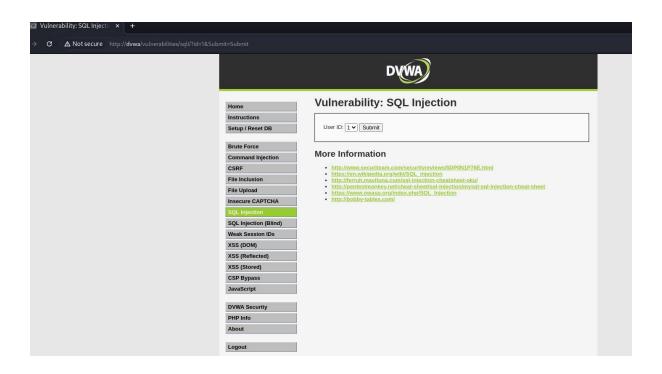
'OR '1'='1.

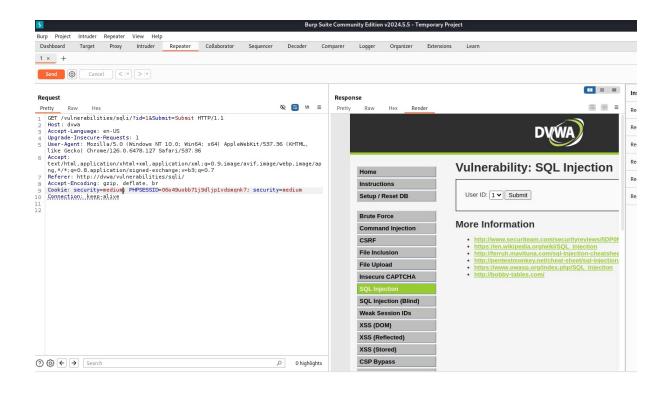
This injection allowed me to retrieve the first and last names of other users.

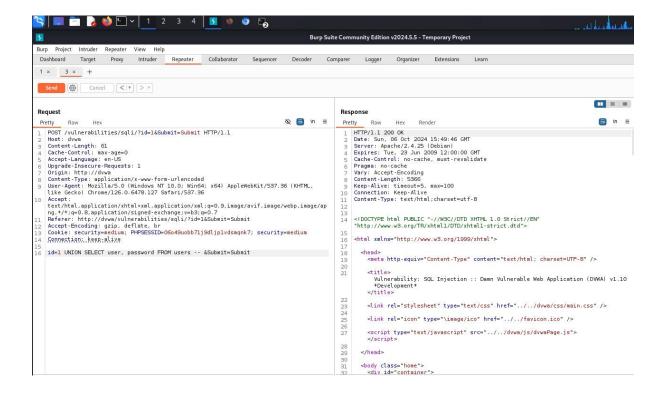


MEDIUM LEVEL SQL INJECTION

In the medium security level, I used Burp Suite for SQL injection. I opened the browser in Burp Suite and accessed DVWA. After logging in, I entered a random code and submitted it. Then, I navigated to the HTTP history in Burp Suite and located a GET request generated after the submission. I noticed that the security level was set to low in the request, so I changed it to medium and sent it. Finally, I opened the response in the browser, which led me to the medium-level task page.

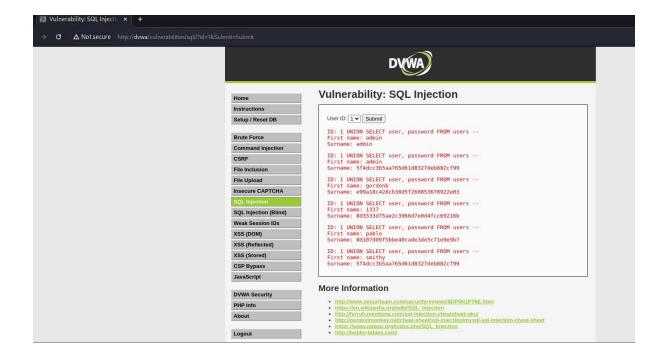






1 UNION SELECT user, password FROM users –

I got the details of the users



HIGH LEVEL SQL INJECTION

To test SQL injection on the high security level, I set DVWA Security to high and accessed the corresponding page. By clicking the provided link, a new page appeared where I could inject code.

To gather more information, I used the following injection:

1' UNION SELECT user, password FROM users #.

This allowed me to retrieve additional details about the users.

