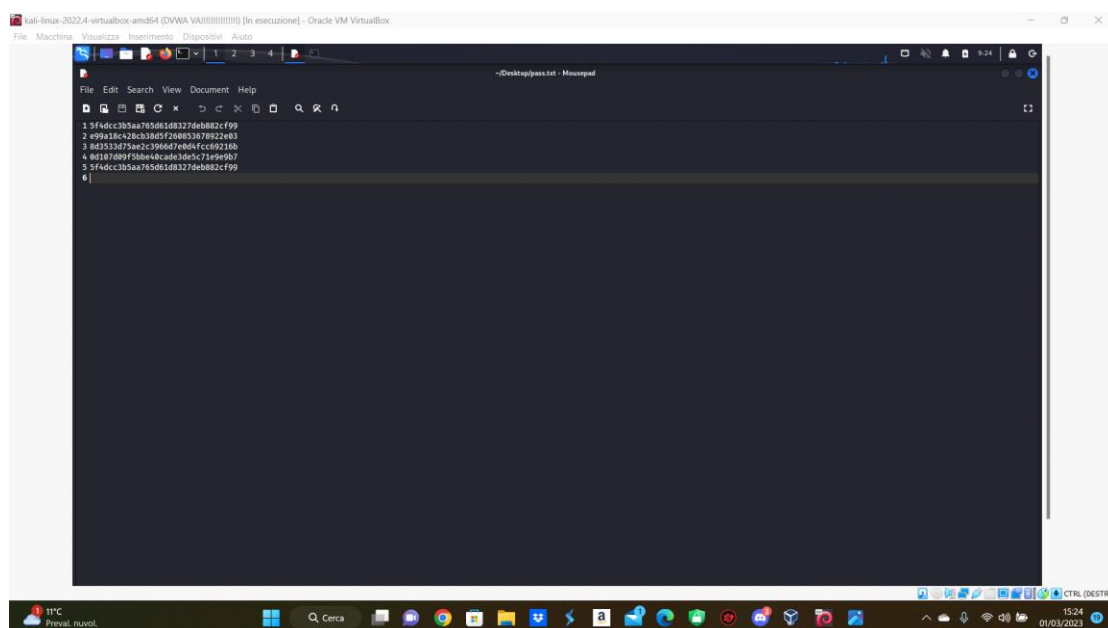
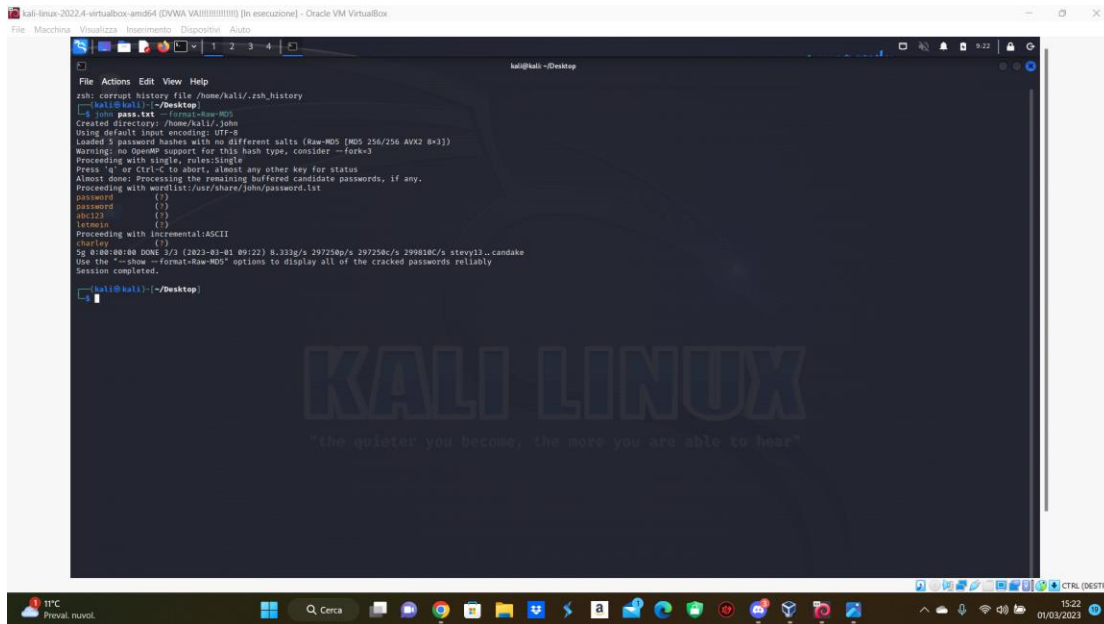


Con la SQL injection abbiamo estratto una lista di username e password dal database mySQL di DVWA con security impostata a 'low'

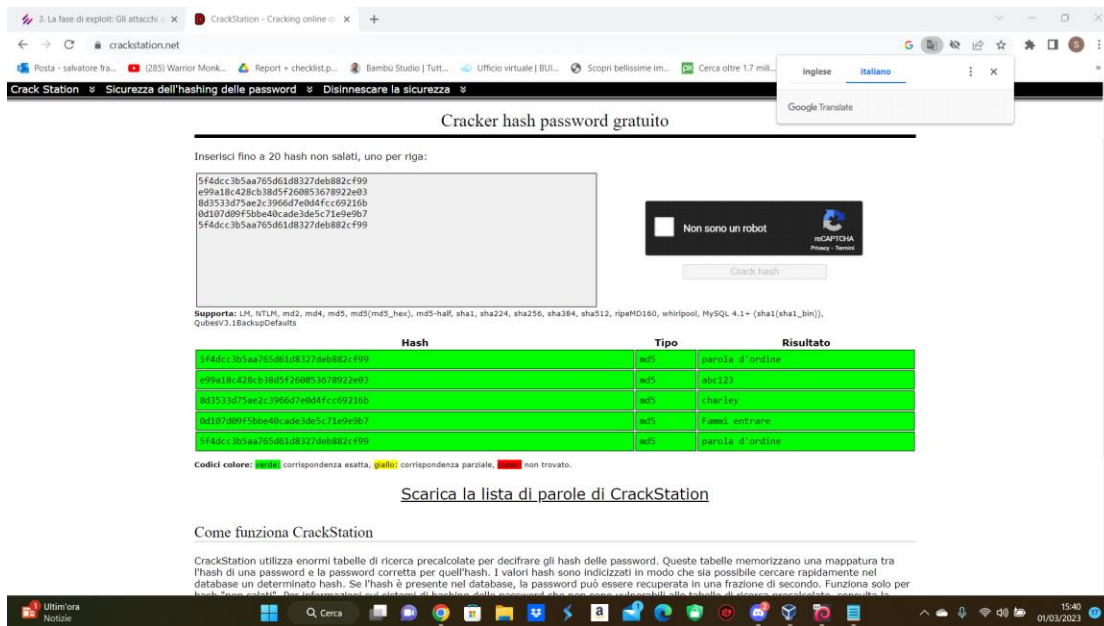


Questi sono esempi di password in formato MD5 (screen precedente)

Con il tool "john the ripper" disponibile su kali abbiamo decodificato le password in formato MD5



Un ulteriore metodo per decodificare le password è stato utilizzare un servizio di hash cracking disponibile online ossia CRACKSTATION



Un ulteriore metodo ancora per decodificare le password è stato utilizzare il tool hashcat

```
File Edit Search View Document Help
~/Desktop/passwordcrack.txt - Microsoft Word

1 Bf4dc835a9f55081d832746b882cf99:password
2 e99a18c42c8c39d5f2085978222e03:abc123
3 0d18709f5bb4c4de3de5c71e9e9b7:1etmein
4 8d333b73ae2c396d7e064cc69216b:charley
5

File Actions Edit View Help
sal@kali:~/Desktop

* Device #1: pthread-sandybridge-AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx, 1018/2101 MB
(512 MB allocatable), 3MCU

Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 256
Hashes: 5 digests; 4 unique digests; 1 unique salts
Bitmaps: 16 bits, 85536 entries, 0-0000ffff mask, 262144 bytes, 5/13 rotates
Rules: 1

Optimizers applied:
* Zero-Byte
* Early-Skip
* Not-Salted
* Not-Iterated
* Single-Salt
* Raw-Hash

[ATTENTION] Pure (unoptimized) backend kernels selected.
Pure kernels can crack longer passwords, but drastically reduce performance.
If you want to switch to optimized kernels, append -O to your commandline.
See the above message to find out about the exact limits.

Watchdog: Temperature abort trigger set to 90C

Host memory required for this attack: 0 MB

Dictionary cache built:
* Filename...: /usr/share/wordlists/rockyou.txt
* Passwords...: 14344392
* Bytes.....: 139921987
* Keyspace...: 14344385
* Runtime...: 2 secs

Session.....: hashcat
Status.....: Cracked
Hash-Mode.....: 0 (MD5)
Hash-Target.....: 0459.txt
Time-Started.....: Wed Mar 1 10:00:36 2023 (0 secs)
Time-Elapsed.....: Wed Mar 1 10:00:36 2023 (0 secs)
Kernel-Feature...: Pure Kernel
Guess-Base.....: File /usr/share/wordlists/rockyou.txt
Guess-Queue.....: 1/1 (100.00%)
Speed.#1.....: 29011 H/s (0.00s) @ Accel:256 Loops:1 Thr:1 Vec:8
Recovered.....: 4/A (100.00%) Digests (total): 4/A (100.00%) Digests (new)
Progress.....: 3872/14344385 (0.02%)
```