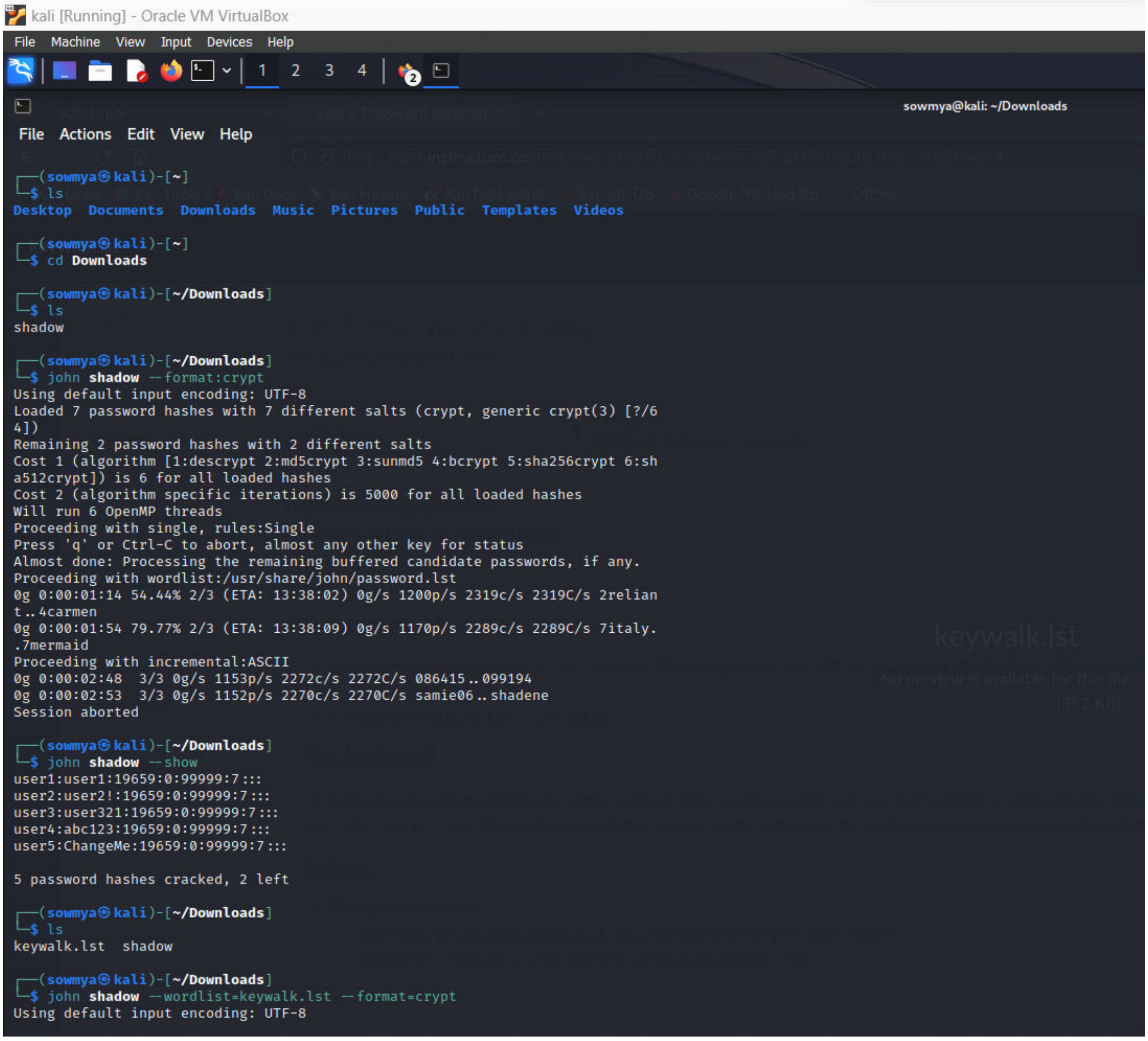
Lab 3: Password auditing

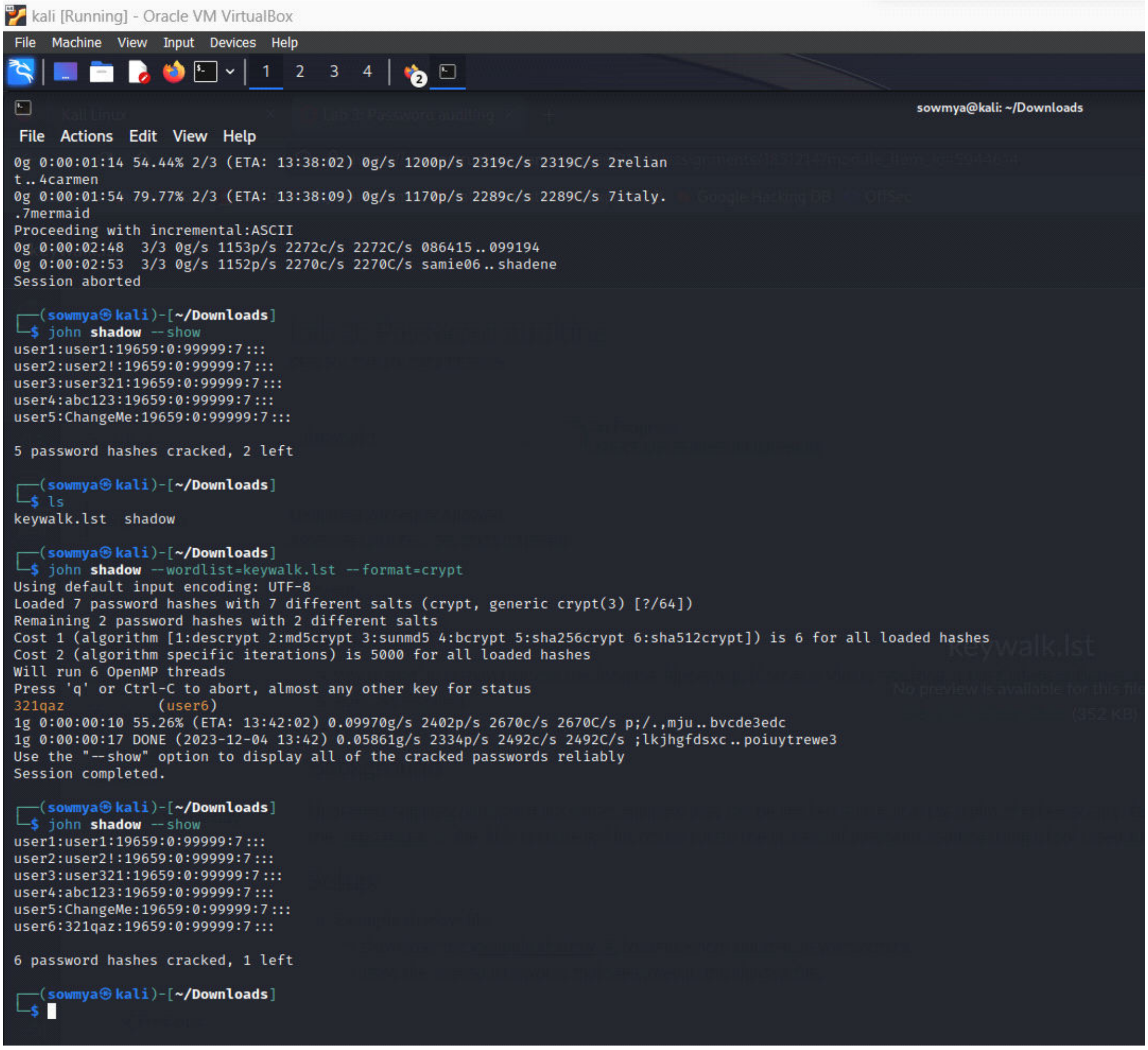
- A screenshot the first five (5) users cracked.



kali [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
sowmya@kali: ~/Downloads
File Actions Edit View Help

```
┌──(sowmya㉿kali)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

┌──(sowmya㉿kali)-[~]
└─$ cd Downloads

┌──(sowmya㉿kali)-[~/Downloads]
└─$ ls
shadow

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --format:crypt
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (crypt, generic crypt(3) [?/6
4])
Remaining 2 password hashes with 2 different salts
Cost 1 (algorithm [1:descrypt 2:md5crypt 3:sunmd5 4:bcrypt 5:sha256crypt 6:sh
a512crypt]) is 6 for all loaded hashes
Cost 2 (algorithm specific iterations) is 5000 for all loaded hashes
Will run 6 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
0g 0:00:01:14 54.44% 2/3 (ETA: 13:38:02) 0g/s 1200p/s 2319c/s 2319C/s 2relian
t..4carmen
0g 0:00:01:54 79.77% 2/3 (ETA: 13:38:09) 0g/s 1170p/s 2289c/s 2289C/s 7italy.
.7mermaid
Proceeding with incremental:ASCII
0g 0:00:02:48  3/3 0g/s 1153p/s 2272c/s 2272C/s 086415..099194
0g 0:00:02:53  3/3 0g/s 1152p/s 2270c/s 2270C/s samie06..shadene
Session aborted

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --show
user1:user1:19659:0:99999:7:::
user2:user2!:19659:0:99999:7:::
user3:user321:19659:0:99999:7:::
user4:abc123:19659:0:99999:7:::
user5:ChangeMe:19659:0:99999:7:::

5 password hashes cracked, 2 left

┌──(sowmya㉿kali)-[~/Downloads]
└─$ ls
keywalk.lst  shadow

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --wordlist=keywalk.lst --format=crypt
Using default input encoding: UTF-8
```

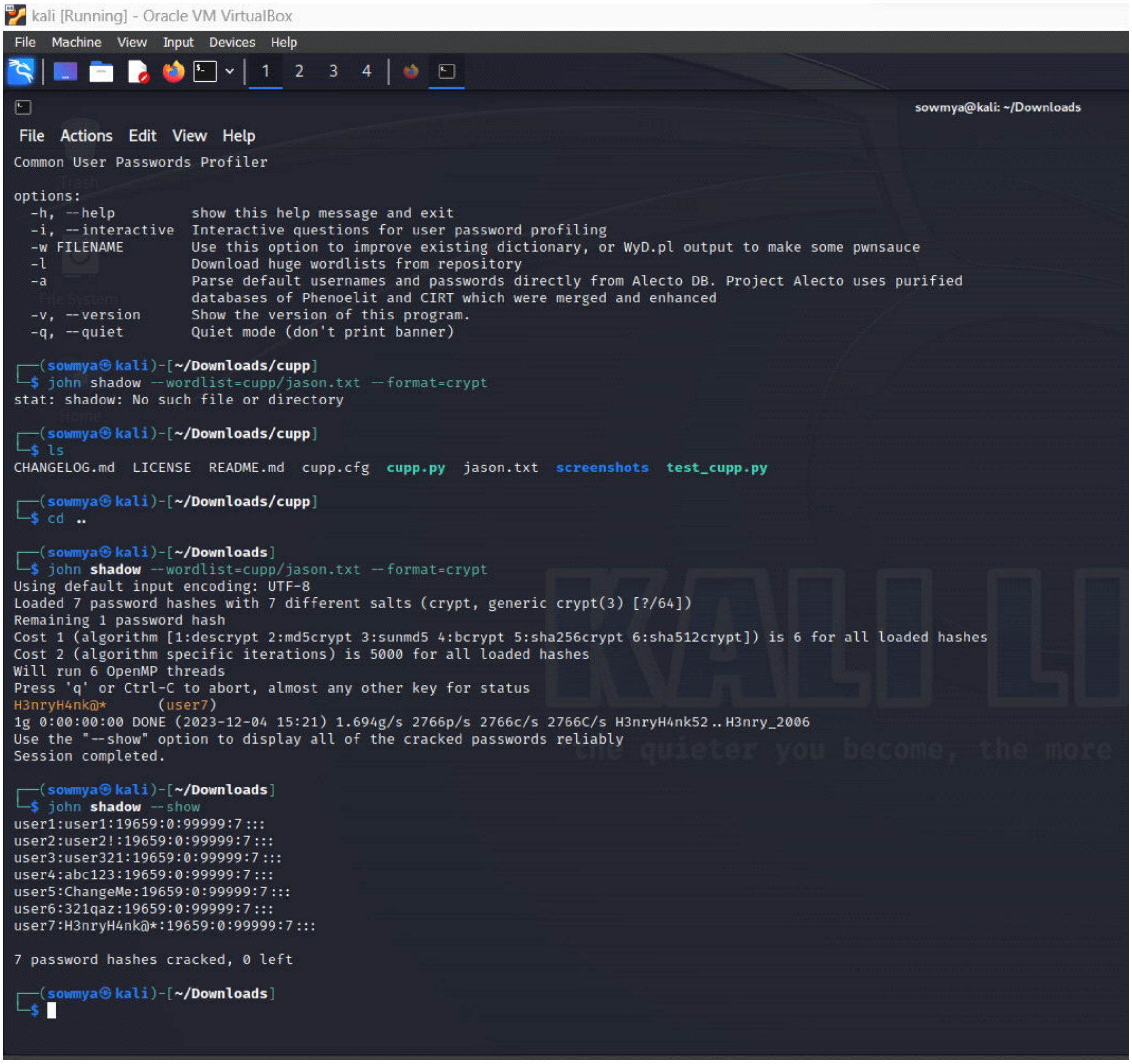
- A screenshot of user6 cracked using the keyboard walk list.



kali [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
sowmya@kali: ~/Downloads
File Actions Edit View Help

```
0g 0:00:01:14 54.44% 2/3 (ETA: 13:38:02) 0g/s 1200p/s 2319c/s 2319C/s 2relian
t..4carmen
0g 0:00:01:54 79.77% 2/3 (ETA: 13:38:09) 0g/s 1170p/s 2289c/s 2289C/s 7italy.
.7mermaid
Proceeding with incremental:ASCII
0g 0:00:02:48  3/3 0g/s 1153p/s 2272c/s 2272C/s 086415..099194
0g 0:00:02:53  3/3 0g/s 1152p/s 2270c/s 2270C/s samie06..shadene
Session aborted

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --show
user1:user1:19659:0:99999:7:::
user2:user2!:19659:0:99999:7:::
user3:user321:19659:0:99999:7:::
user4:abc123:19659:0:99999:7:::
user5:ChangeMe:19659:0:99999:7:::

5 password hashes cracked, 2 left

┌──(sowmya㉿kali)-[~/Downloads]
└─$ ls
keywalk.lst  shadow

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --wordlist=keywalk.lst --format=crypt
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (crypt, generic crypt(3) [?/64])
Remaining 2 password hashes with 2 different salts
Cost 1 (algorithm [1:descrypt 2:md5crypt 3:sunmd5 4:bcrypt 5:sha256crypt 6:sha512crypt]) is 6 for all loaded hashes
Cost 2 (algorithm specific iterations) is 5000 for all loaded hashes
Will run 6 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
321qaz           (user6)
1g 0:00:00:10 55.26% (ETA: 13:42:02) 0.09970g/s 2402p/s 2670c/s 2670C/s p;/.,mju..bvcde3edc
1g 0:00:00:17 DONE (2023-12-04 13:42) 0.05861g/s 2334p/s 2492c/s 2492C/s ;lkjhgfdsxc..poiuytrewe3
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --show
user1:user1:19659:0:99999:7:::
user2:user2!:19659:0:99999:7:::
user3:user321:19659:0:99999:7:::
user4:abc123:19659:0:99999:7:::
user5:ChangeMe:19659:0:99999:7:::
user6:321qaz:19659:0:99999:7:::

6 password hashes cracked, 1 left

┌──(sowmya㉿kali)-[~/Downloads]
└─$ 
```

- A screenshot of user7 cracked using the targeted word list.
- A screenshot showing all the cracked passwords from the shadow file.



kali [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
sowmya@kali: ~/Downloads
File Actions Edit View Help

```
Common User Passwords Profiler

options:
  -h, --help         show this help message and exit
  -i, --interactive  Interactive questions for user password profiling
  -w FILENAME        Use this option to improve existing dictionary, or WyD.pl output to make some pwnsauce
  -l                 Download huge wordlists from repository
  -a                 Parse default usernames and passwords directly from Alecto DB. Project Alecto uses purified
                     databases of Phenoelit and CIRT which were merged and enhanced
  -v, --version      Show the version of this program.
  -q, --quiet        Quiet mode (don't print banner)

┌──(sowmya㉿kali)-[~/Downloads/cupp]
└─$ john shadow --wordlist=cupp/jason.txt --format=crypt
stat: shadow: No such file or directory

┌──(sowmya㉿kali)-[~/Downloads/cupp]
└─$ ls
CHANGELOG.md  LICENSE  README.md  cupp.cfg  cupp.py  jason.txt  screenshots  test_cupp.py

┌──(sowmya㉿kali)-[~/Downloads/cupp]
└─$ cd ..

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --wordlist=cupp/jason.txt --format=crypt
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (crypt, generic crypt(3) [?/64])
Remaining 1 password hash
Cost 1 (algorithm [1:descrypt 2:md5crypt 3:sunmd5 4:bcrypt 5:sha256crypt 6:sha512crypt]) is 6 for all loaded hashes
Cost 2 (algorithm specific iterations) is 5000 for all loaded hashes
Will run 6 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
H3nryH4nk@*      (user7)
1g 0:00:00:00 DONE (2023-12-04 15:21) 1.694g/s 2766p/s 2766c/s 2766C/s H3nryH4nk52..H3nry_2006
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

┌──(sowmya㉿kali)-[~/Downloads]
└─$ john shadow --show
user1:user1:19659:0:99999:7:::
user2:user2!:19659:0:99999:7:::
user3:user321:19659:0:99999:7:::
user4:abc123:19659:0:99999:7:::
user5:ChangeMe:19659:0:99999:7:::
user6:321qaz:19659:0:99999:7:::
user7:H3nryH4nk@*:19659:0:99999:7:::

7 password hashes cracked, 0 left

┌──(sowmya㉿kali)-[~/Downloads]
└─$ 
```