Date – 18 February 2023

Respected sir/Ma’am,

The results that I have got after cracking the passwords using the HASHCAT software are gives as below:

1. e10adc3949ba59abbe56e057f20f883e : 123456
2. 25f9e794323b453885f5181f1b624d0b : 123456789
3. d8578edf8458ce06fbc5bb76a58c5ca4 : qwerty
4. 5f4dcc3b5aa765d61d8327deb882cf99 : password
5. 96e79218965eb72c92a549dd5a330112 : 111111
6. 25d55ad283aa400af464c76d713c07ad : 12345678
7. e99a18c428cb38d5f260853678922e03 : abc123
8. fcea920f7412b5da7be0cf42b8c93759 : 1234567
9. 7c6a180b36896a0a8c02787eeafb0e4c : password1
10. 6c569aabbf7775ef8fc570e228c16b98: password!
11. 3f230640b78d7e71ac5514e57935eb69 : qazxsw
12. 917eb5e9d6d6bca820922a0c6f7cc28b: Pa$$word1
13. f6a0cb102c62879d397b12b62c092c06 : bluered
14. 9b3b269ad0a208090309f091b3aba9db: Flamesbria2001
15. 16ced47d3fc931483e24933665cded6d : Oranolio1994
16. 1f5c5683982d7c3814d4d9e6d749b21e : spuffyffet
17. 8d763385e0476ae208f21bc63956f748 : moodie00
18. defebde7b6ab6f24d5824682a16c3ae4 : nabox
19. bdda5f03128bcbdfa78d8934529048cf : bandalls

HASHING ALGORITHM USED TILL 13th passwords:

1. e10adc3949ba59abbe56e057f20f883e : MD5
2. 25f9e794323b453885f5181f1b624d0b : MD5
3. d8578edf8458ce06fbc5bb76a58c5ca4 : MD5
4. 5f4dcc3b5aa765d61d8327deb882cf99 : MD5
5. 96e79218965eb72c92a549dd5a330112 : MD5
6. 25d55ad283aa400af464c76d713c07ad : MD5
7. e99a18c428cb38d5f260853678922e03 : MD5
8. fcea920f7412b5da7be0cf42b8c93759 : MD5
9. 7c6a180b36896a0a8c02787eeafb0e4c : MD5
10. 6c569aabbf7775ef8fc570e228c16b98: MD5
11. 3f230640b78d7e71ac5514e57935eb69 : MD5
12. 917eb5e9d6d6bca820922a0c6f7cc28b: MD5
13. f6a0cb102c62879d397b12b62c092c06 : MD5

**HASING ALGORITHM USED: MD5**

Level of security: MD5 is not a good algorithm for securing passwords, MD5 was once used for data security and encryption, but these days its primary use is authentication. **Because a hacker can create a file that has the exact same hash as an entirely different file**, MD5 is not secure in the event that someone tampers with a file.

**OBSERVATION:**

1. no capital letters used
2. weak hashing algorithm used
3. Very common passwords are used

**Measures to be taken:**

1. Use another algorithm than MD5
2. Use lengthy password
3. Check password Security

Thanking you,

Jas Sharma