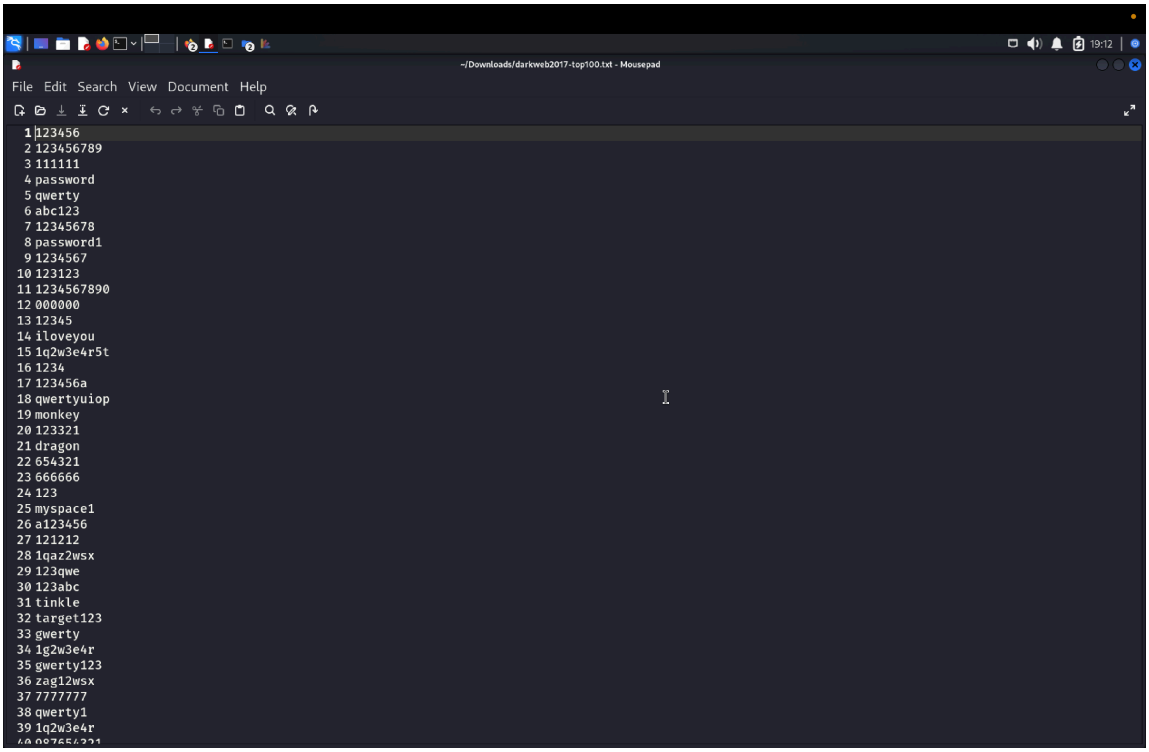
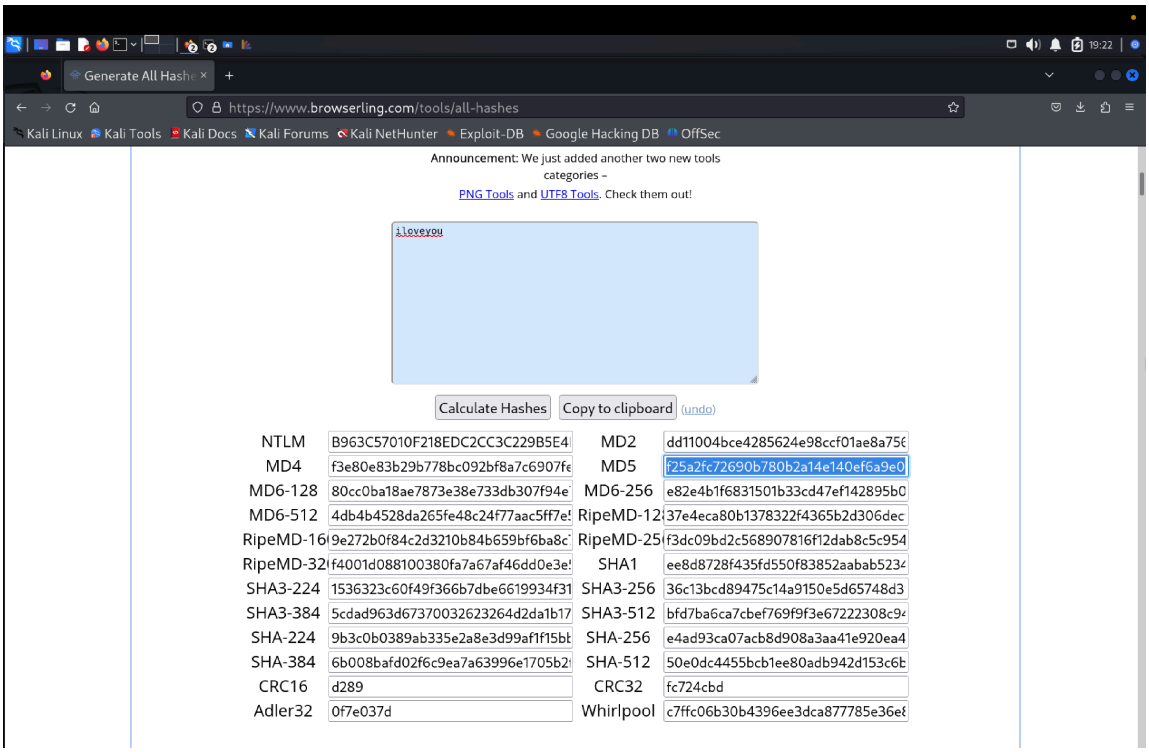
USE HASHCAT TO CRACK A PASSWORD HASH

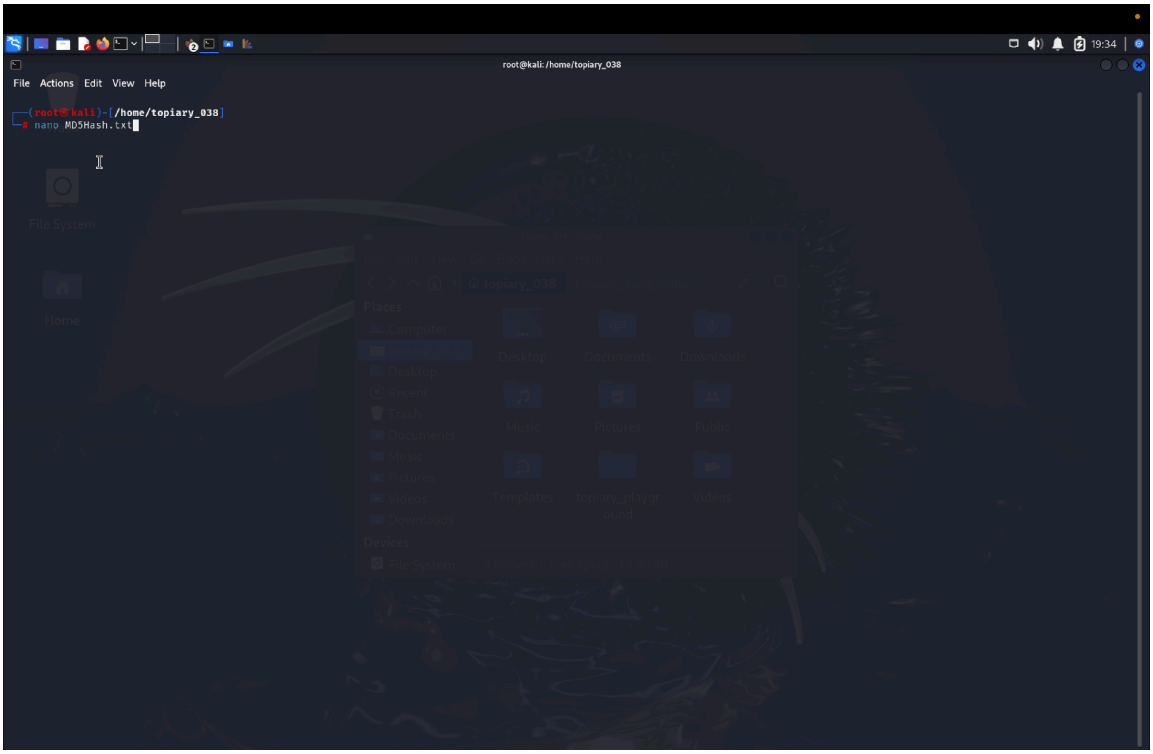


1. First we create a word list/password list or download it for generating the password . Here the wordlist file name is darkweb2017-top100.txt . Now we are going to select a random word/password from this wordlist/password list to generate the hash

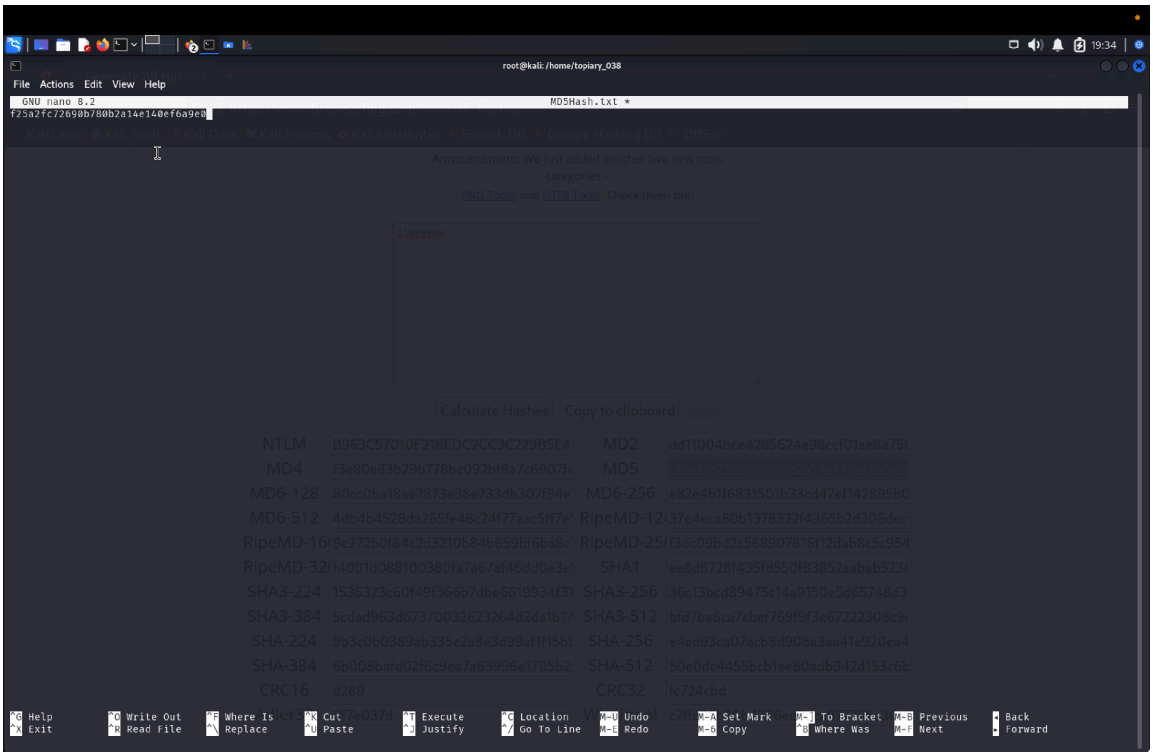


2. To generate the hash from that particular word/password we are going to use any third party website here it is www.browserling.com it converts the word to all kinds of hash

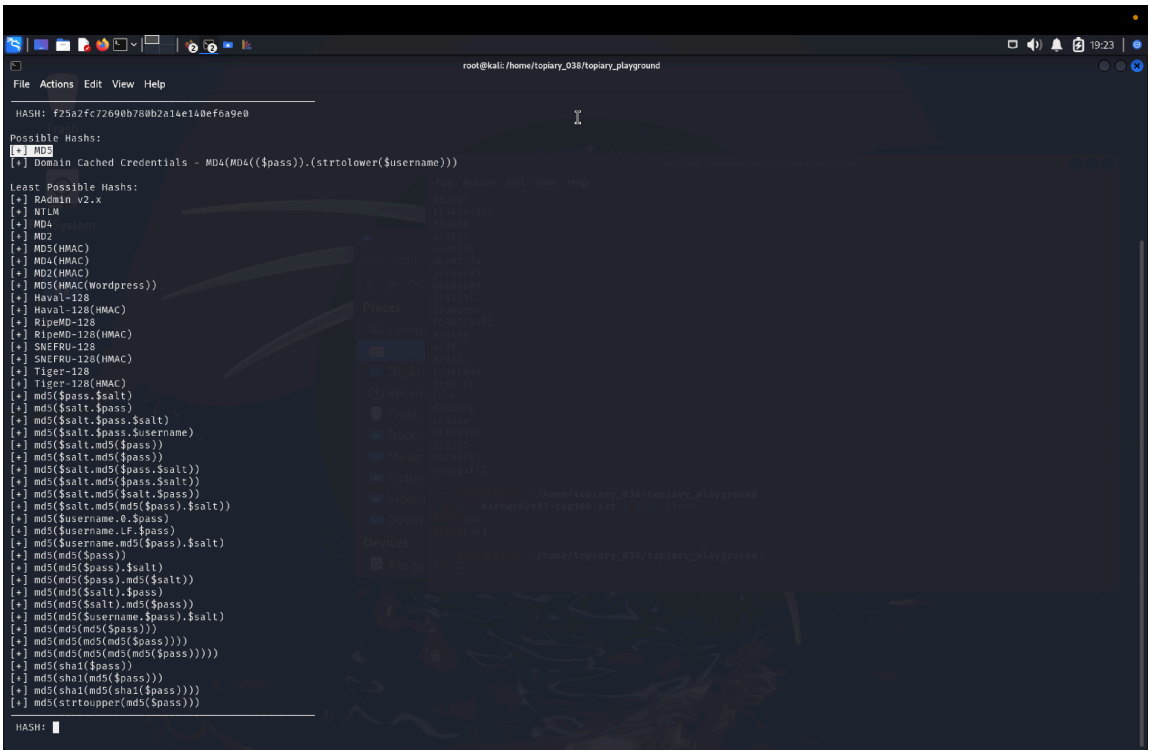
But here we are going to work with MD5 hash



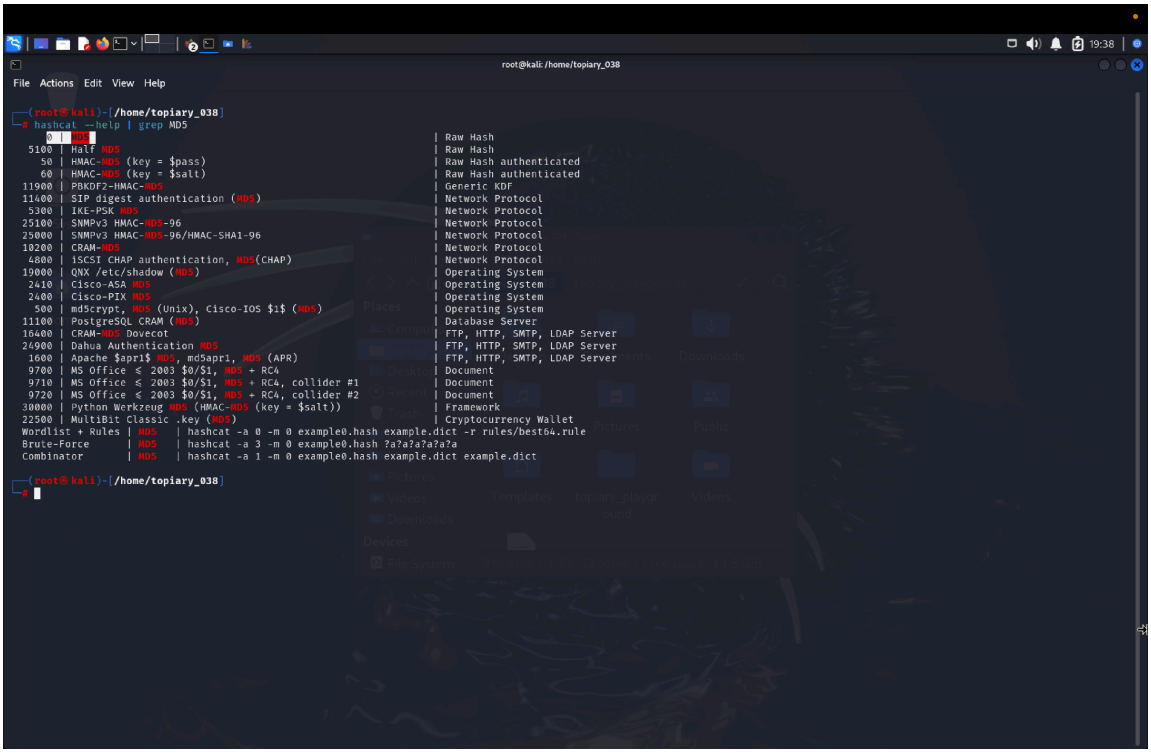
3.here we are going to create a hash file named MD5Hash.txt



4. In order to create the hash file, inside the hash file we are just going to write the MD5 hash of the selected word/password from the wordlist/password list

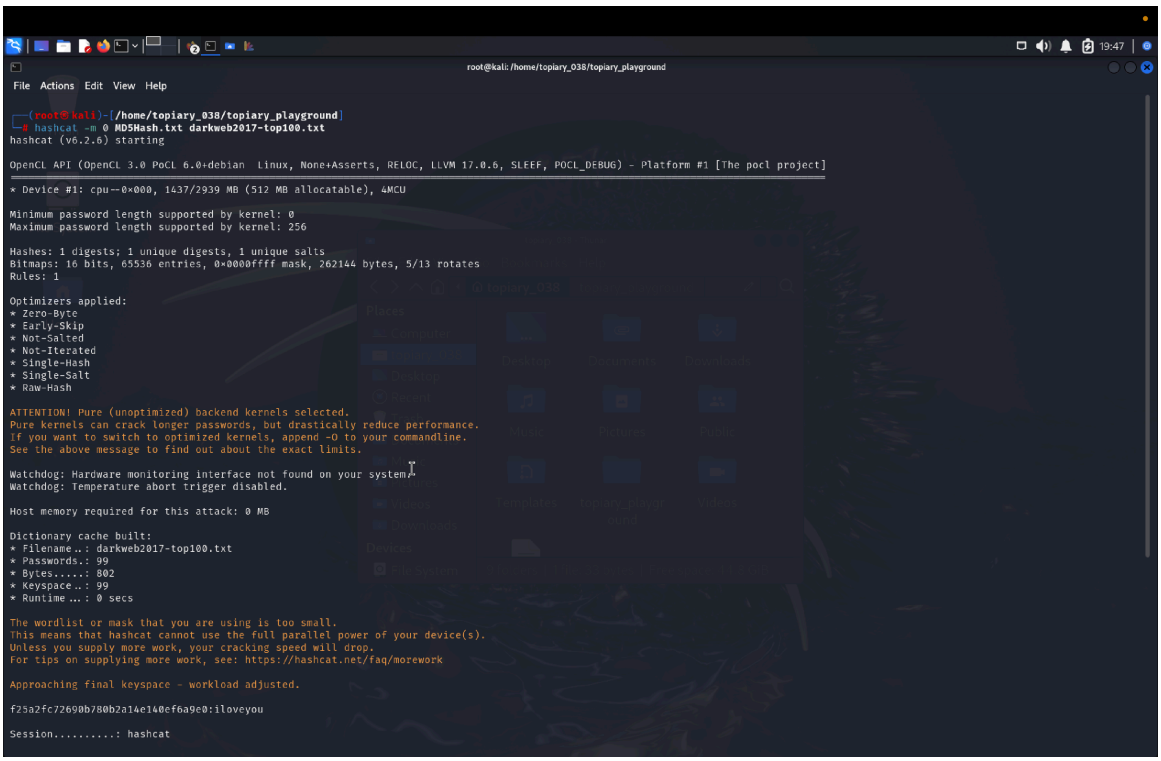


5. Now we are going to use hash-identifier to identify the hash present in the hash file MD5Hash.txt , here it says that the possible hash is MD5 , so we now know the type of hash , we will further move on to decode the hash to get the original word/ password.



6. Now we use the grep command to get the attack mode for the MD5 hash from —help documentation which will be further useful to write the syntax.

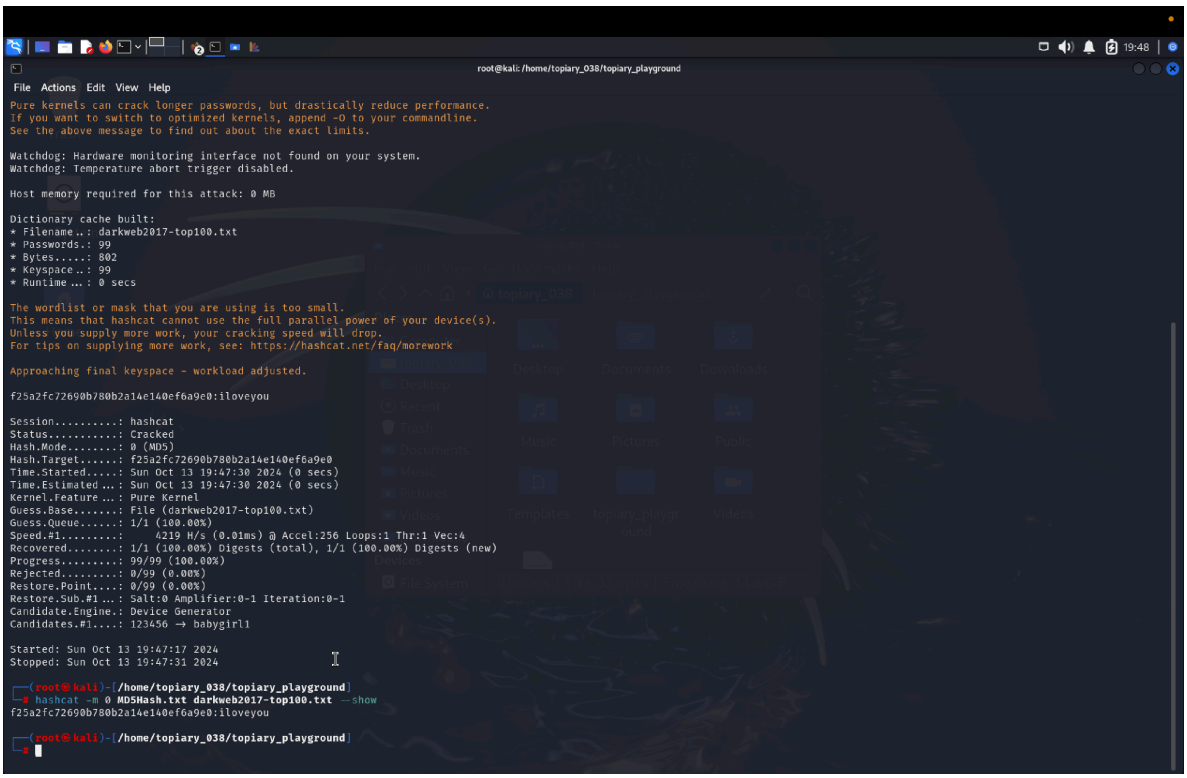
In this case the attack mode for MD5 is 0



7.now we are going to write the syntax to perform the Hashcat operation to get the final word/password from the hash , the syntax is -

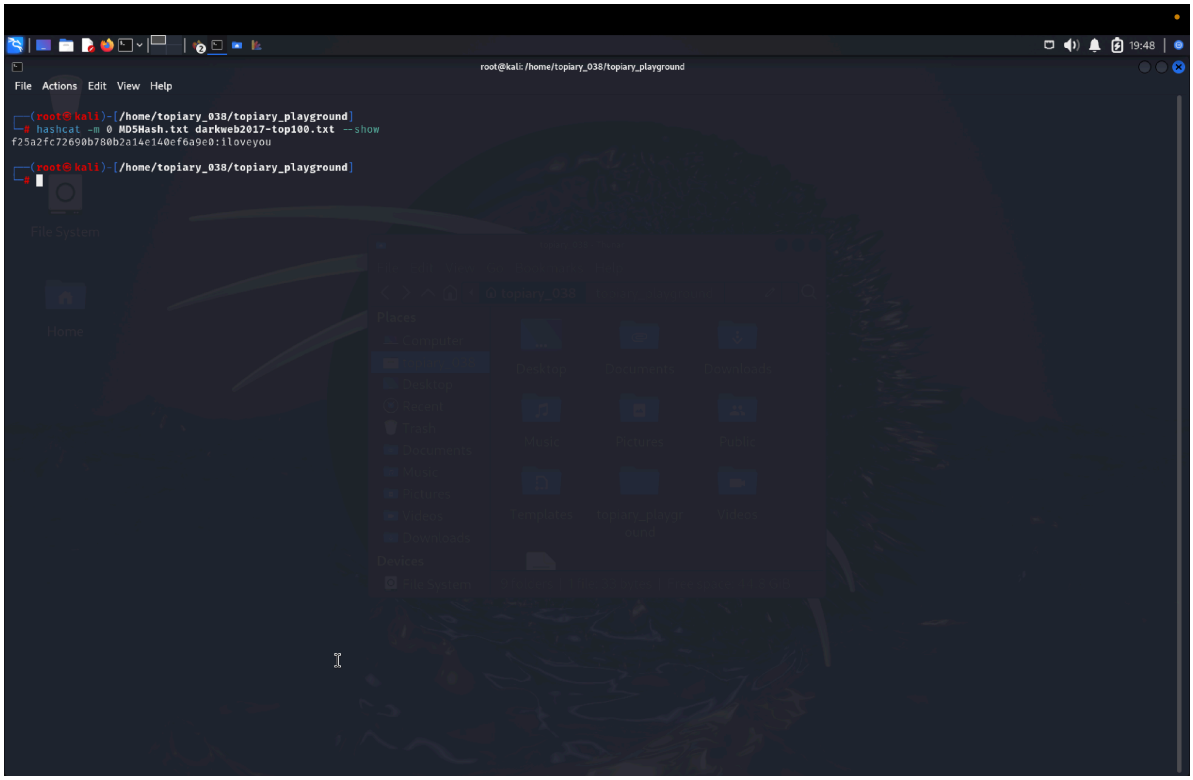
hashcat -m [hash_type] -a [attack_mode] [hash_file] [wordlist]

In this case it is- hashcat -m 0 MD5Hash.txt darkweb2017-top100.txt



8. It shows status cracked which means the MD5 hash has been cracked
We can get the specific word/password from the hash by the syntax-

hashcat -m 0 MD5Hash.txt darkweb2017-top100.txt —show



9. Finally we get the word from the MD5 hash , the word is iloveyou

Thus we have successfully used hashcat to crack a MD5 hash to get the desired word/ password