John_loves_cat

For this task they have given us a set of hash this task can be done in two ways
i)using hashcat
ii)online md5 sha256 sha512 online decryptors

For this task we need to take the hashcat in the terminal window that will already be installed in kali linux since i am using ordinary linux distribution i downloaded it by referring youtube
Then we need to enter the command in the following command

hashcat -m 0 " hash " file location of Rockyou.txt

The attack mode is 0 here it will vary for each hash type

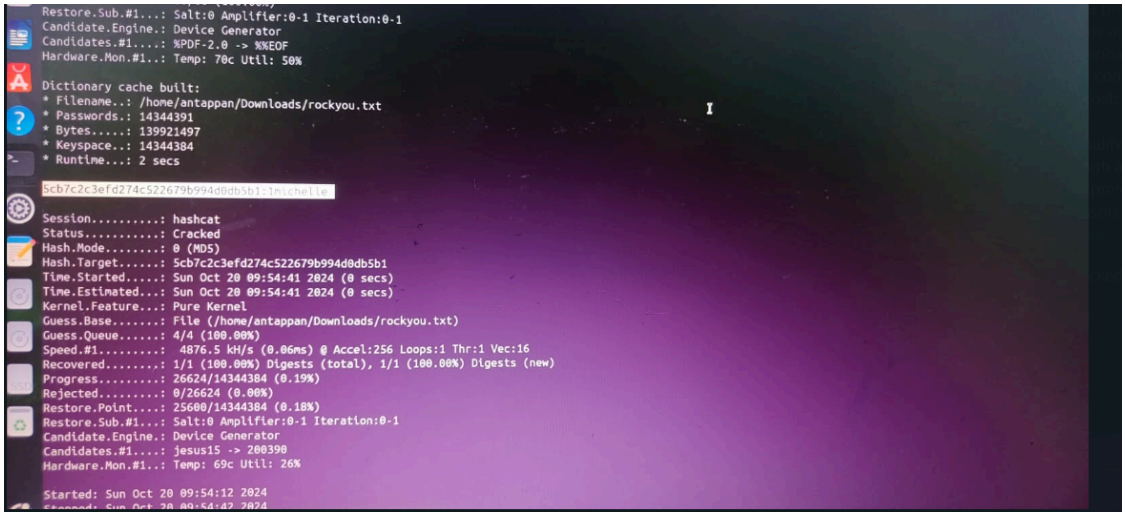
Here -m refers the mode of attack
#0 refers to the hashcat mode for the MD5
#Rockyou.txt is the text that contains more than 10000 commonly used passwords

So what we do here is each time we are comparing the hash that is given in the question to the newly created hash that is generated from each words in the rockyou.txt
At the end of this comparison they will show the hash along the cracked password
This the common procedure that i used for solving each hash
For identifying the type of hash ,i uploaded the given task into an online hash identifier

1.)5cb7c2c3efd274c522679b994d0db5b1: **MD5**
2.)816a4092660e4e87b5b584c4a51e7b33db2fb1b8f972578ef90c5ed7608e0f19 :**SHA 256**
3.)77dbc87f6b67c777890cef34fbebfffc594559e1fda920755e277dee6c058ec7fc104ceff94dc92a5496629ad2075c8ad65d9cfd42cba9c9bff6113e5ac8bebe: **SHA 512**
4.)162C809CEF35EAF5FD03139A3B0AC8AA : **NTLM**
5.)$2b$05$HnDsP/sv2pk.88xx0pVkMuYoIwFu3SUSsIxpYxWaWIzi5z4ry5jE.:**bcrypt**

Also The hashcat modes that used for the cracking each hash is different
MD5: 0.
SHA-256: 1400.
SHA-512: 1700.
NTLM: 1000.
bcrypt: 3200.

After entering the common command that is given above we specify the hashcat mode and running it will give the password



After repeating the procedure for all the hashes
We will get the flags
p3nt35t{1michelle.0_sunshine123.1400_gingerbread.1700_agente007.1000_school123.3200}

If we upload the 1st hash into MD5 decrypter we get the same flag i tried this for hash 1 2 and 3
But couldn't get it for hash 4 and hash 5