Task-4:

Password cracking using tool john_the_ripper.

In this task i have taken a p.txt file with two hash values of a word like pass in two ways like:
Pass
Saps

Hash values:
Pass: 1A1DC91C907325C69271DDF0C944BC72
Saps: DA8CAFE467410D85C16FF454E7BDDACE

These two are of Raw-MD5 hashes..

Now i have saved the text file and i have used john tool for cracking using command:

john p.txt --format=Raw-MD5

Then it has shown the result by cracking the hash:

Using default input encoding: UTF-8
Loaded 2 password hashes with no different salts (Raw-MD5 [MD5 256/256 AVX2 8x3])
Warning: no OpenMP support for this hash type, consider --fork=4
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
pass   (?)
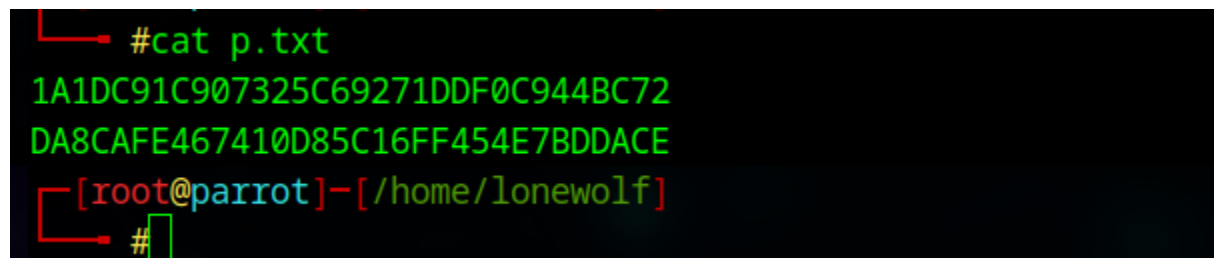Proceeding with incremental:ASCII
saps   (?)
2g 0:00:00:03 DONE 3/3 (2024-12-03 22:57) 0.5617g/s 2687Kp/s 2687Kc/s 2688KC/s sekc..aahn
Use the "--show --format=Raw-MD5" options to display all of the cracked passwords reliably
Session completed.

```
 ┌─[x]─[root@parrot]─[/home/lonewolf]
 └─• #john  p.txt --format=Raw-MD5
Using default input encoding: UTF-8
Loaded 2 password hashes with no different salts (Raw-MD5 [MD5 256/256 AVX2 8x3]
)
Warning: no OpenMP support for this hash type, consider --fork=4
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
pass              (?)
Proceeding with incremental:ASCII
saps              (?)
2g 0:00:00:03 DONE 3/3 (2024-12-03 22:57) 0.5617g/s 2687Kp/s 2687Kc/s 2688KC/s s
ekc..aahn
Use the "--show --format=Raw-MD5" options to display all of the cracked password
s reliably
Session completed.
 ┌─[root@parrot]─[/home/lonewolf]
 └─• #
```

In this way we can crack the passwords….