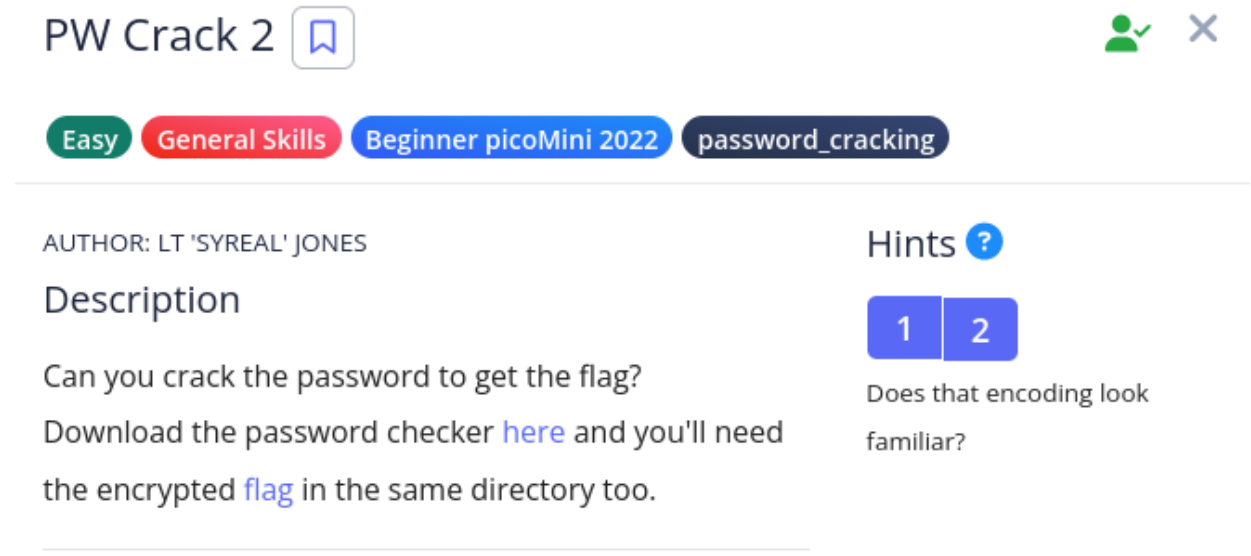
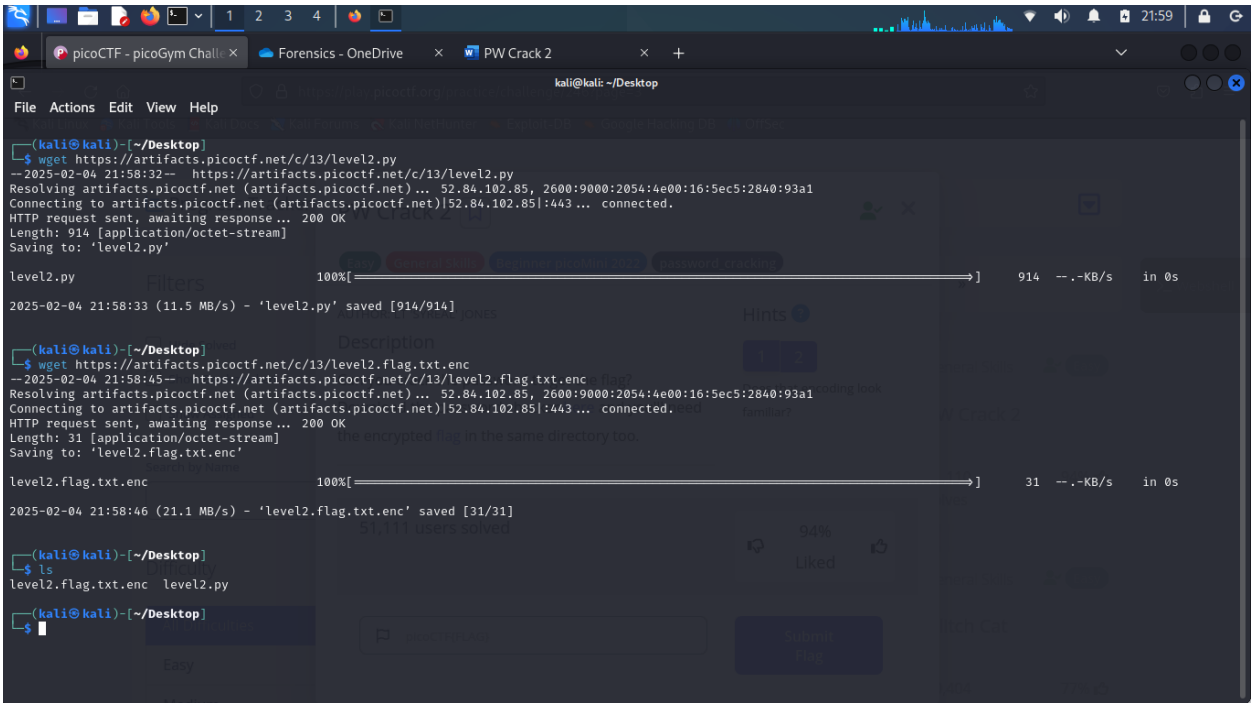
LinkedIn: [Kelvin Kimotho]

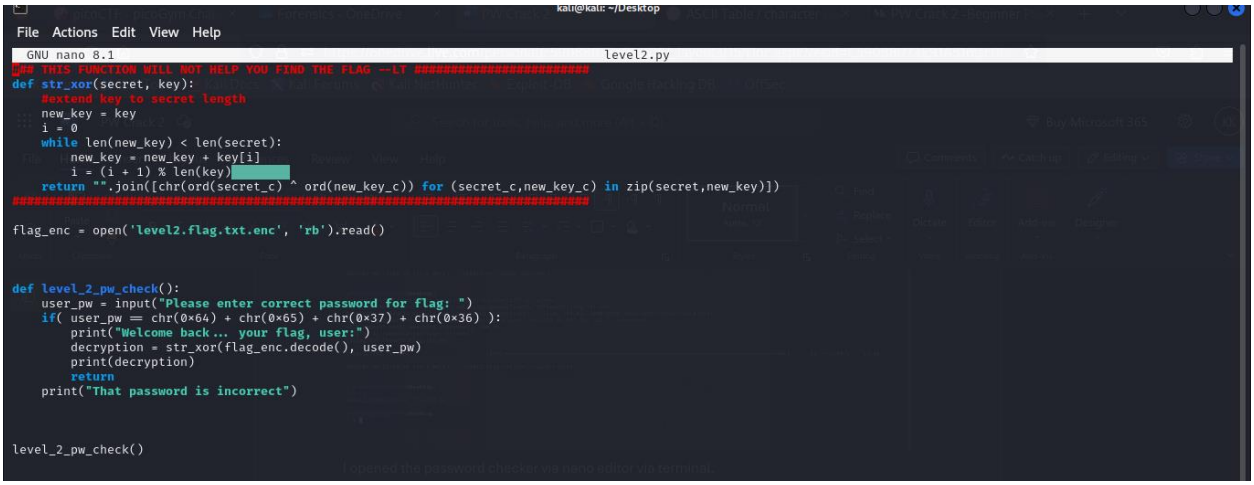


Solution

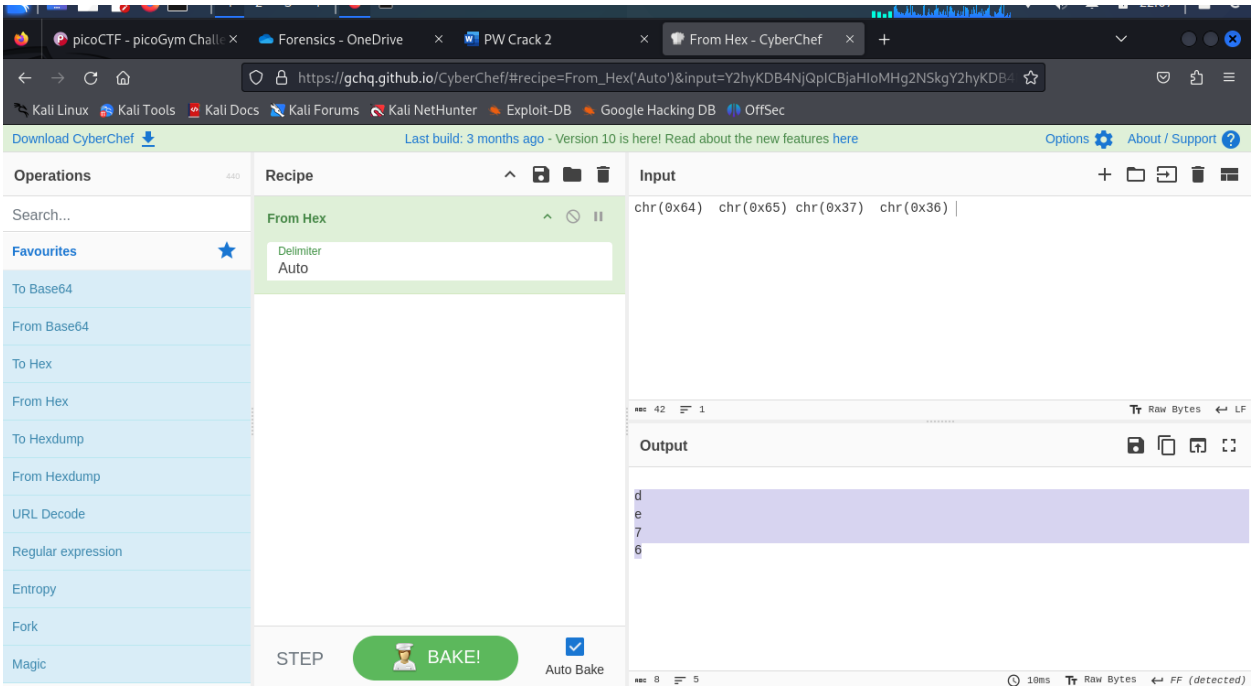
I downloaded the password checker and the encrypted flag using wget tool.



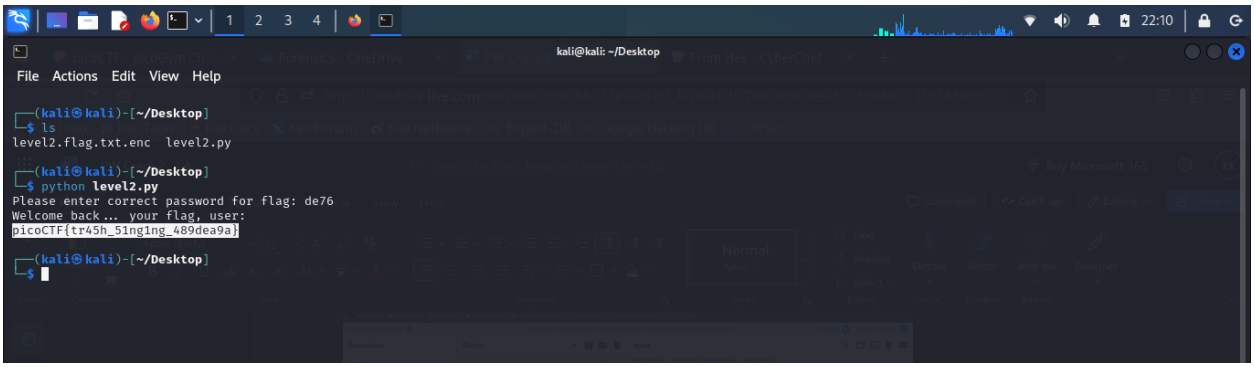
I opened the password checker via nano editor via terminal.



From this line if(user_pw == chr(0x64) + chr(0x65) + chr(0x37) + chr(0x36)): , the user was expected to enter a four characters password that was to be converted to hexadecimal to match the given . I used cyberchef an online service to decode hexadecimal back to plain text. The four characters password was de76.



Now that I had the password to decrypt the encrypted the file, I ran the password checker program which prompted me to enter a password. I entered the password and that's how I decrypted the encrypted flag file and the flag was printed out as picoCTF{tr45h_51ng1ng_489dea9a}.


1 2 3 4
22:10
kali@kali: ~/Desktop
File Actions Edit View Help
(kali㉿kali)-[~/Desktop]
$ ls
level2.flag.txt.enc level2.py
(kali㉿kali)-[~/Desktop]
$ python level2.py
Please enter correct password for flag: de76
Welcome back... your flag, user:
picoCTF{tr45h_51ng1ng_489dea9a}
(kali㉿kali)-[~/Desktop]
$