

PW Crack 3

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100 points

Tags: Beginner picoMini 2022 General Skills password_cracking hashing

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Hints

Description

1 2 3

Can you crack the password to get the flag?

Download the password checker [here](#) and you'll need the encrypted [flag](#) and the [hash](#) in the same directory too.

There are 7 potential passwords with 1 being correct. You can find these by examining the password checker script.

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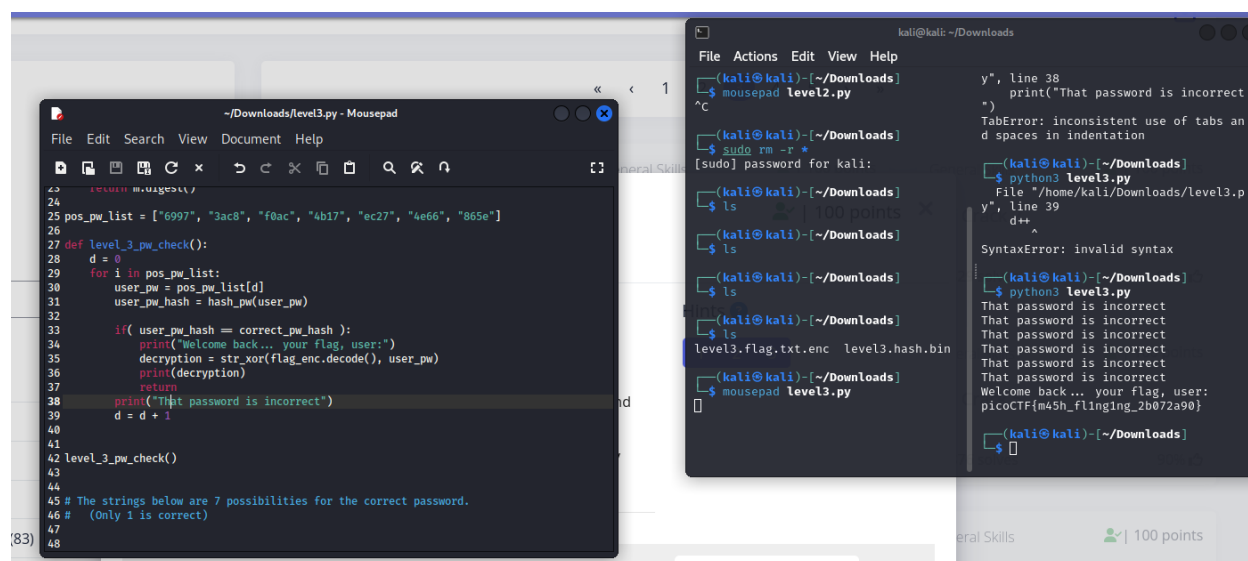
picoCTF{FLAG}

Submit Flag

PW Crack 3 challenge

In this challenge as stated, we need to use the 7 possibilities given. We will then use it in a loop and it should give us the correct answer.

We can change the python script for password check when the input is looped on the given possibilities and just run the code again.



```
kali@kali: ~/Downloads
File Actions Edit View Help
$ mousepad level2.py
^C
(kali@kali)~/Downloads
$ sudo rm -r *
[sudo] password for kali:
(kali@kali)~/Downloads
$ ls
(kali@kali)~/Downloads
$ ls
(kali@kali)~/Downloads
$ ls
(kali@kali)~/Downloads
$ ls
(kali@kali)~/Downloads
$ python3 level3.py
That password is incorrect
That password is incorrect
That password is incorrect
That password is incorrect
That password is incorrect
That password is incorrect
Welcome back... your flag, user:
picoCTF{m45h_f1ngl1ng_2b072a90}
(kali@kali)~/Downloads
$
```

```
~/Downloads/level3.py - Mousepad
File Edit Search View Document Help
42 #!/usr/bin/env python3
24
25 pos_pw_list = ["6997", "3ac8", "f0ac", "4b17", "ec27", "4e66", "865e"]
26
27 def level_3_pw_check():
28     d = 0
29     for i in pos_pw_list:
30         user_pw = pos_pw_list[d]
31         user_pw_hash = hash_pw(user_pw)
32
33         if( user_pw_hash == correct_pw_hash ):
34             print("Welcome back... your flag, user:")
35             decryption = str_xor(flag_enc.decode(), user_pw)
36             print(decryption)
37             return
38         print("That password is incorrect")
39         d = d + 1
40
41
42 level_3_pw_check()
43
44
45 # The strings below are 7 possibilities for the correct password.
46 # (Only 1 is correct)
47
48
```

