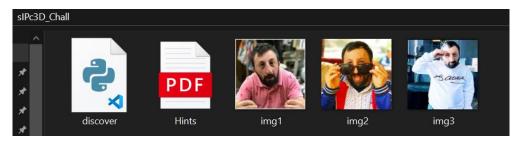
Write-up: sIPc3D_Chall / level:medium



Our challenge



sIPc3D_chall contains:

- Discover script.
- 3 images contain a hidden keys encrypted.
- Hints.

Step1: using discover script to extract hidden keys:

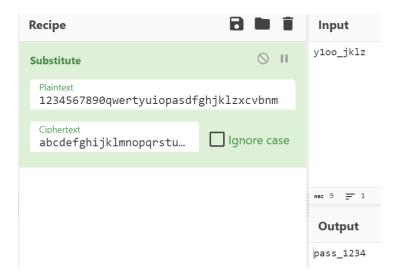
After reading the hints file we now know that:

- The key1 hidden in the first image is encrypted by a substitution cipher with a text cipher and numbers (12.....90) + letters of a keyboard type (qwerty).
- The key2 hidden in the 2sd image is encrypted using a XOR cipher / pass2 = pass(i) \oplus C2.
- The key3 hidden in the 3^{rd} image is encrypted using a XOR cipher / pass2 = pass(i) \oplus C3.

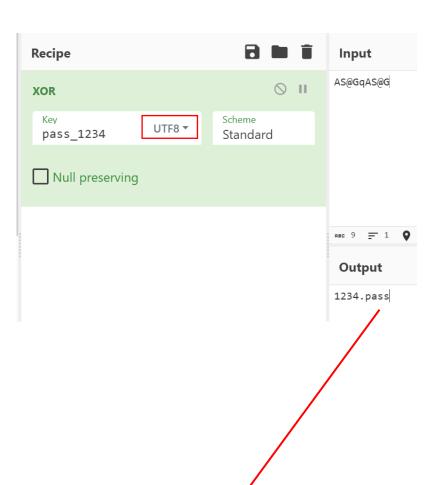
Step2: decrypt the hidden keys using the right combinations:

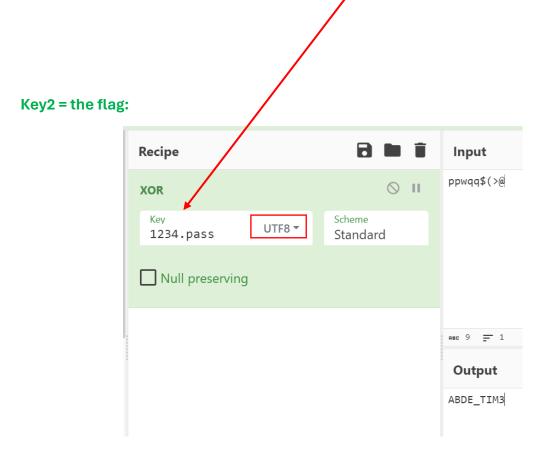
```
pass1 ----> pass2 ----> pass3 (maybe is the flag)
pass3 ----> pass2 ----> pass1 (maybe is the flag)
pass1 ----> pass3 ----> pass2 (maybe is the flag) (the right one)
pass3 ----> pass1 ----> pass2 (maybe is the flag)
pass2 ----> pass3 ----> pass1 (maybe is the flag)
```

key1:



Key3:





The flag is DEFENSYS{ABDE_TIM3}