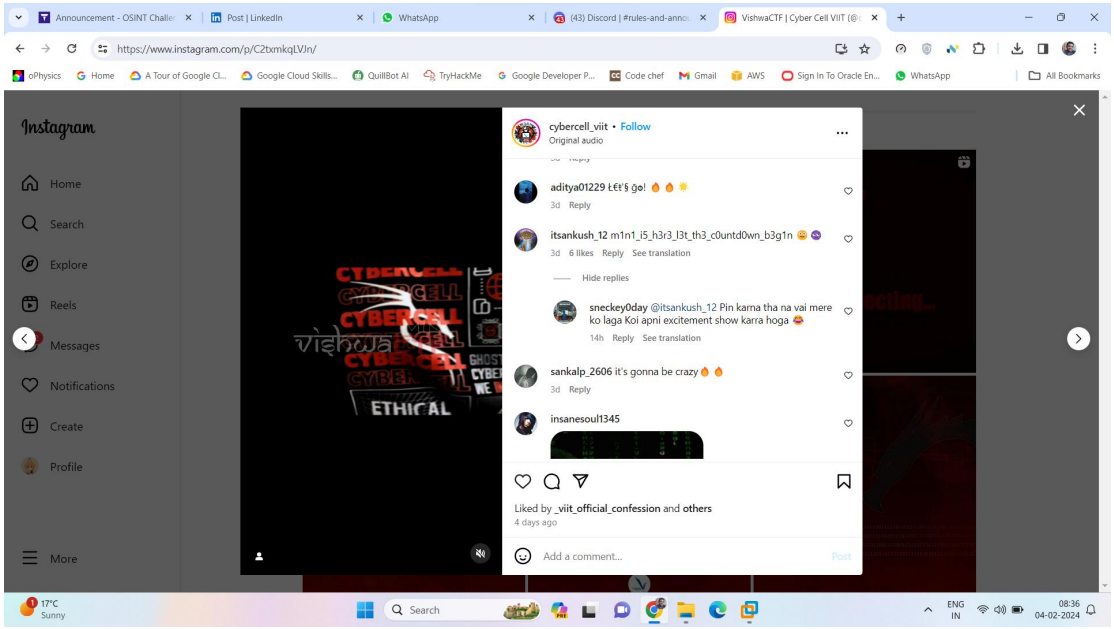
Challenge name: ANNOUNCEMENT- OSINT

So basically the challenge described that CyberCell VIIT has announced VIshwa CTF 24 Mini. And the flag can be found in their socials.

I have searched the flag in their linkedin, but didn't found anything.
So I searched their Instagram and got the flag as one of the comments.



Flag is VishwaCTF{m1n1_i5_h3r3_l3t_th3_c0untd0wn_b3g1n}

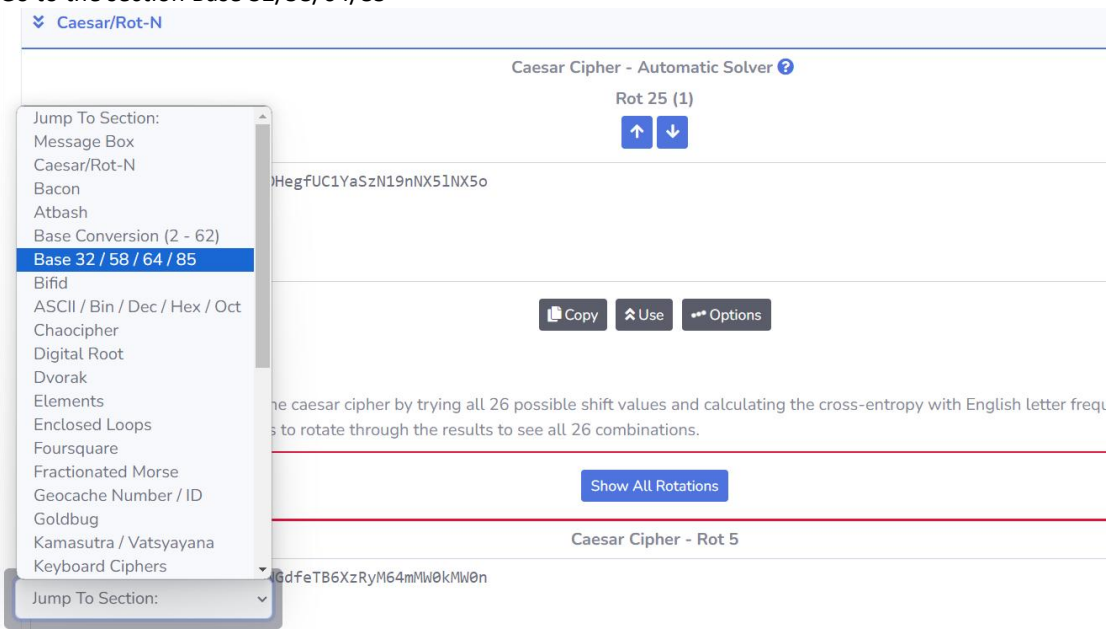
Challenge Name: Baby ko BASE psand hai- Cryptography

The name is interesting though. So we will be given a file. The file name is exe. Doing strings on it we get this.

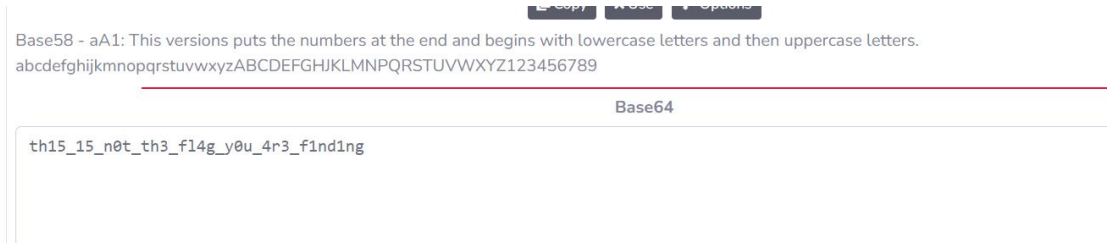
```
┌──(kali㉿kali)-[~/CTF]
└─$ strings exe
/lib64/ld-linux-x86-64.so.2
fflush
usleep
stdout
__libc_start_main
__cxa_finalize
printf
libc.so.6
GLIBC_2.2.5
GLIBC_2.34
_ITM_deregisterTMCloneTable
__gmon_start__
_ITM_registerTMCloneTable
PTE1
u+UH
%s%c
[32m
Uski ankhiyan english bole
Meri anpadh ankhiyan re
Baithe baithe la gayi dekho
Dil ko mere thagiyaan re
Haaye mere paas hoke
Phir wo dj se jaake boli
Bhaiya tu decide kariyo
Ki ab beat chale ya goli
Kyunki?
Baby ko BASE pasand hai
Baby ko BASE pasand hai.
Jab wo naache
Mujhko uska face pasand hai
dGgxNV8xNV9uMHRfdGgzX2ZsNGdfeTB1XzRyM19mMW5kMW5n (64)
tGTiU34Ek9yhr1PuuHEmX5HCpjdtLuQPnyhyiTMF3yn6KrzQ6 (58)
KZUXG2DXMFBVIRT3NN4TIX3CGRRHSX3LGBPXGNDDNBPW2M3JNZPUEQKTIVPXANDTGRXGIX3IGQYT6P35 (32)
FD*Bd?SOEFDD60>FD*I;Ao';:?[4>J?SldZ?Y2$1A2.t7 (85)
;*3$"
GCC: (Debian 13.2.0-7) 13.2.0
Scrt1.o
__abi_tag
```

So we are given 4 texts here. Just don’ t for the numbers. Put them in the multidecoder of CacheSleuth.

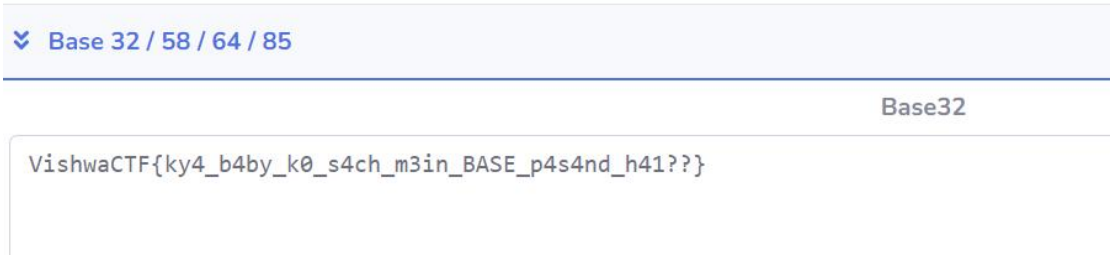
Go to the section Base 32/58/64/85



Find out the conversions there. The first two will give fake flag.

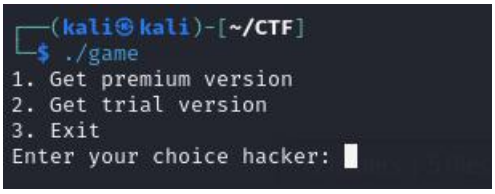


The third is the original flag.

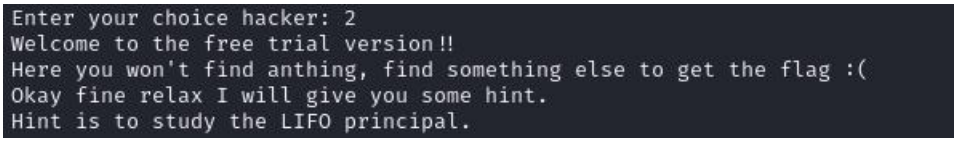


VishwaCTF{ky4_b4by_k0_s4ch_m3in_BASE_p4s4nd_h41??}

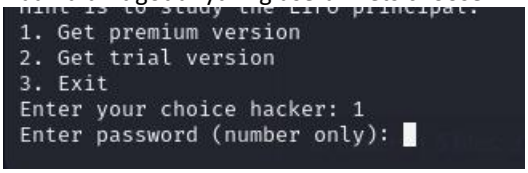
Challenge name: Stack game- Reverse Engineering
You will be given a given a file named as game.
Let' s run the file.



Lets choose 2

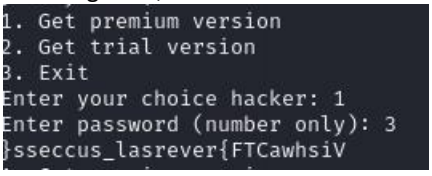


Naah didn't got anything useful. Lets choose 1.



It asks for number only. I tried giving numbers 0 to 10 at first. It was a random guess only. Thought LIFO means stack pointer is made from 0 to some random number n.

When I gave 3, this came



Upon reversing this we get VishwaCTF{reversal_success}.

Flag: VishwaCTF{reversal_success}

Challenge name: Murder Mystery
We are given two things. One text file and another is a jpg file.
Content of the text:

Dear Detective,

I hope this letter reaches you well. I'm reaching out because something serious has happened –
a prominent person has been murdered,and I know who did it.

However, I'm afraid to write the name directly, as this letter could end up in the wrong hands.
I believe in your sharp detective skills, so I'm relying on you to carefully examine the envelope and decode the hidden message.

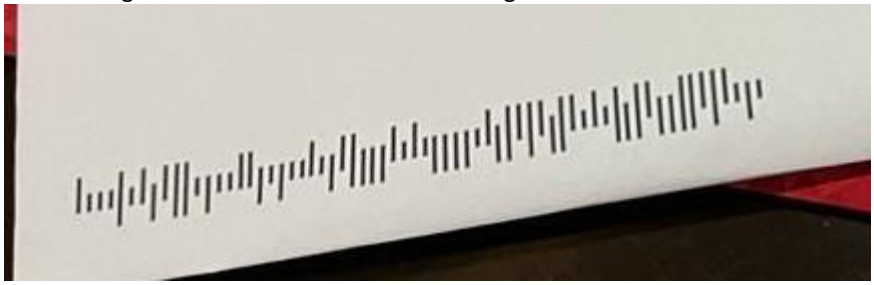
Your reputation for solving mysteries precedes you, and I trust you can handle this with the discretion it requires.

Best regards,

A Concerned Observer

Image given:

The dash figure at the bottom left is interesting.



Upon searching on the internet we come to know that this is a Intelligent Mail Barcode.

Use the following link to read the barcode:

https://www.dynamsoft.com/barcode-reader/barcode-types/usps-intelligent-mail/

Upon reading the barcode we get this:
10111810510895115104971001111119

A random number, but if we look closely ASCII numbers are merged. It's a random guess.
After separting the numbers we get:

101 118 105 108 95 115 104 97 100 111 119

So the ASCII characters are:
evil_shadow

The challenge has asked the name of the killer.

Flag:VishwaCTF{evil_shadow}