

विश्वCTF

CHALLENGE NAME : BABY KO BASE PASAND HAI

DEV : ANKUSH KAUDI

CATEGORY : REVERSING ENGINEERING

LEVEL : EASY



2024

विश्वCTF

DESCRIPTION : Is this some kind of any random text or any kind of song? Sounds weird

ATTACHMENT : exe

SOLUTION : We have been provided with an ELF binary file. Running it shows some text which seems to be lyrics of a song.

Applying string commands gives the following :

```
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)
KZUXG2DXMFBVIRT3NN4TIX3CGRRHSX3LGBPXXGNDNBPW2M3JNZPUEQKTIVPXANDTGRXGIX3IGQYT6P35 (32)
FD*Bd?SOEFDD60>FD*I;Ao';:?[4>J?SldZ?Y2$1A2.t7 (85)
;*3$"
```

The text seems to be some kind of encoding. Correlating with the challenge name, we can assume it to be base encoding with the type given in brackets. Following is the result after decoding all the strings :

```
bunny@bunny:~/temp$ echo "dGgxNV8xNV9uMHRfdGgzX2ZsNGdfeTB1XzRyM19mMW5kMW5n" | base64 --decode && echo ""
th15_15_n0t_th3_fl4g_y0u_4r3_f1nd1ng
bunny@bunny:~/temp$ echo "tGTiU34Ek9yhr1PuuHEmX5HCpjdtLuQPnyhyiTMF3yn6KrzQ6" | base58 --decode && echo ""
th15_15_n0t_th3_fl4g_y0u_4r3_f1nd1ng
bunny@bunny:~/temp$ echo "KZUXG2DXMFBVIRT3NN4TIX3CGRRHSX3LGBPXXGNDNBPW2M3JNZPUEQKTIVPXANDTGRXGIX3IGQYT6P35" | base32 --decode && echo ""
VishwaCTF{ky4_b4by_k0_s4ch_m3in_BASE_p4s4nd_h41??}
bunny@bunny:~/temp$
```

From the above screenshot, we can get the flag.

Flag : VishwaCTF{ky4 b4by k0 s4ch m3in BASE p4s4nd h41??}