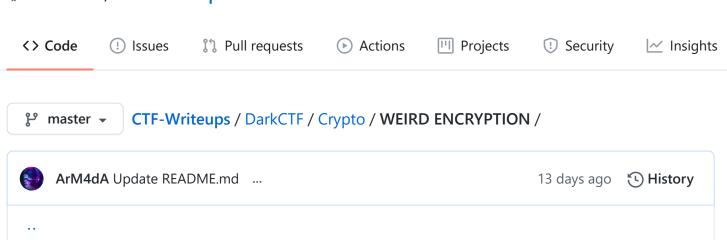
☐ t3rmin0x / CTF-Writeups



README.md

WEIRD ENCRYPTION

Points: 377

README.md

Description

I made this weird encryption I hope you can crack it.

File

File

Solution

The easiest challenge. Just a little logic!

I wrote a script to get the index value of each characters of the ciphertext from the given main_string and store them in a list.

For each letter there existed a pair: **quotient** c1 and **remainder** c2 in the list respectively.

From the script it's clear the divisor in the case is 16 and what we need is the dividend **ASCII value of letter** and convert it to character.

13 days ago

So I apply a simple arithmetic: **dividend = divisor * quotient + remainder** to find ASCII values, convert them to character and finally get the text back.

```
#!/bin/env python3
with open("Encrypted", "r") as f:
        ct = f.read().replace("\n", "")
main_string="c an u br ea k th is we ir d en cr yp ti on".split()
st = []
flag = []
ch = ""
i = 0
# To make a list st containing index of characters from main_string
while i<len(ct):</pre>
        if (ct[i]=='c' and ct[i+1]!='r') or ct[i]=='u' or ct[i]=='k' or ct[i]=='d':
                ch = main_string.index(ct[i])
                i += 1
        else:
                ch = main_string.index(ct[i:i+2])
                i += 2
        st.append(ch)
# Calculating ASCII values and converting into character
for i in range(0,len(st),2):
        flag.append(chr(16*st[i]+st[i+1]))
print(''.join(flag))
```

Flag

Hello. Your flag is DarkCTF{0k@y_7h15_71m3_Y0u_N33d_70_Br3@k_M3}.