CryptoverseCTF 2022

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(http://snip3r.me)
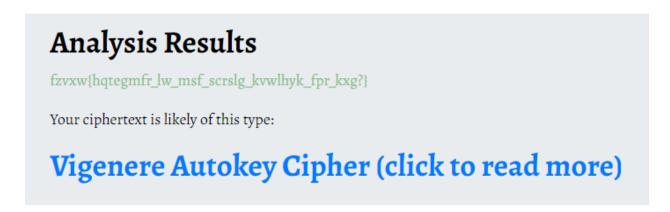
Problem Statement:

Crypto/Warmup 2
Baby

274 solves / 113 points

First described by *Giovan Battista Bellaso* in 1553, this cipher is easy to understand and implement, but it resisted all attempts to break it until 1863, three centuries later.

Remember: The *Key* to success is `determination` .

`fzvxw{hqtegmfr_lw_msf_scrslg_kvwlhyk_fpr_kxg?}`

Flag (solved)   SUBMIT

Given Ciphertext: fzvxw{hqtegmfr_lw_msf_scrslg_kvwlhyk_fpr_kxg?}
Hint: The Key to success is determination.

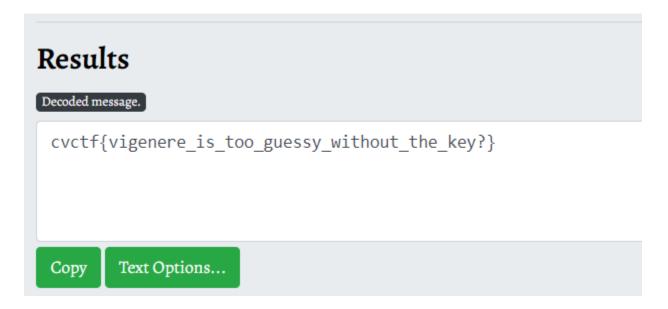So with the first look at the ciphertext we couldn't guess which encryption algorithm is used in it. So we simply use the open-source tool cipher-identifier (https://www.boxentriq.com/code-breaking/cipher-identifier) to find the type of algorithm.

Analysis Results

fzvxw{hqtegmfr_lw_msf_scrslg_kvwlhyk_fpr_kxg?}

Your ciphertext is likely of this type:

Vigenere Autokey Cipher (click to read more)

So after analyzing the text it shows us that the encryption algorithm used is Vigenere Autokey Cipher. So we proceed to use the decryptor for the mentioned algorithm.

Vigenere Tool

```
fzvxw{hqtegmfr_lw_msf_scrslg_kvwlhyk_fpr_kxg?}
```

Copy Paste Text Options…

🔑 Type key here...   ↻   Standard Mode ▾   🌐 English ▾

Decode Encode Auto Solve (without key) Instructions

As we can see there is an option asking us for the key and also we can see the problem statement mentioning a hint saying the key to success is "Determination". So that's it, just some copypasta and we are here with the flag: cvctf{vigenere_is_too_guessy_without_the_key?}

Results

Decoded message.

```
cvctf{vigenere_is_too_guessy_without_the_key?}
```

Copy Text Options…

Flag: cvctf{vigenere_is_too_guessy_without_the_key?}

We even tried to auto decode the message but it was a lot confusing and time consuming at the same time so we have to utilize all the hints given according to the encryption/decryption format.