Description:

Vinagre

There is this key and a Encoded Data given to you can you find the hidden flag?
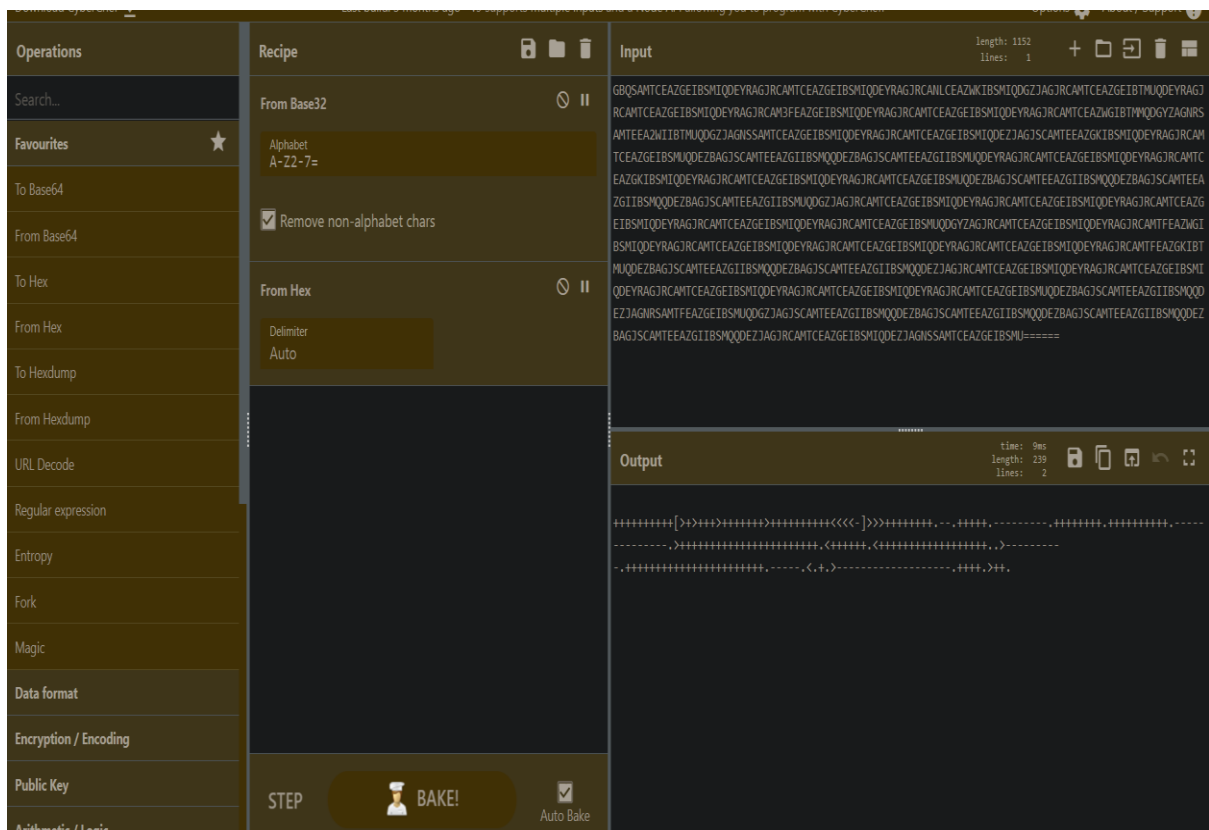
Flag Format : RESTCON{<- flag ->}

Solution:

We are provided with Encoded.txt and key-enc.txt files.

From Encoded.txt file, we get a base32 message and after decoding it. It converts to hex and then converting from hex to ascii/text.

We get a brainfuck cipher text.

I decode the brainfuck cipher with [this](#) site. After decoding the cipher, I got **NLQHPZL{R0OH_Z01GK} .**
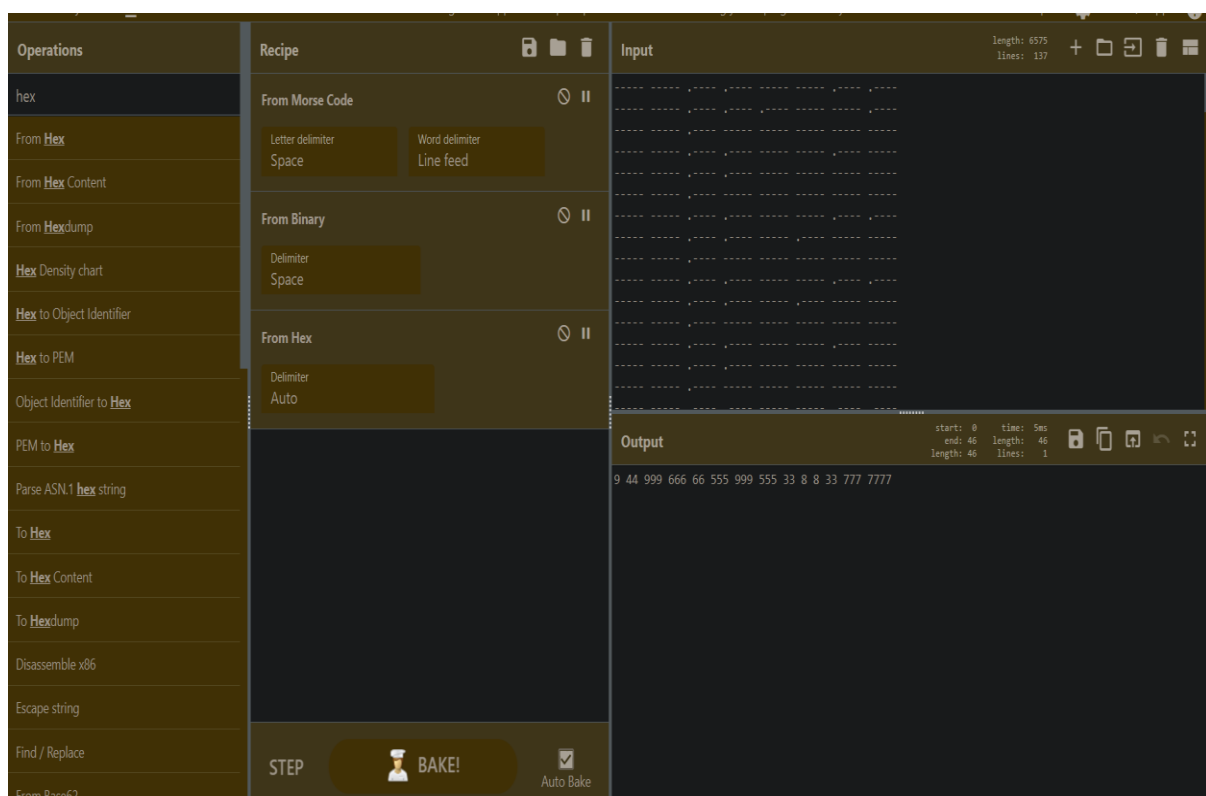
As the challenge name tell us that it will vigenere cipher. But it need a key to decode. Now we get the key of this cipher from file2 i.e key-enc.txt .

When you will open this file, you get Morse code message.

I decode Morse code on CyberChef and get a binary message

And after decoding binary, I got message in hex form.

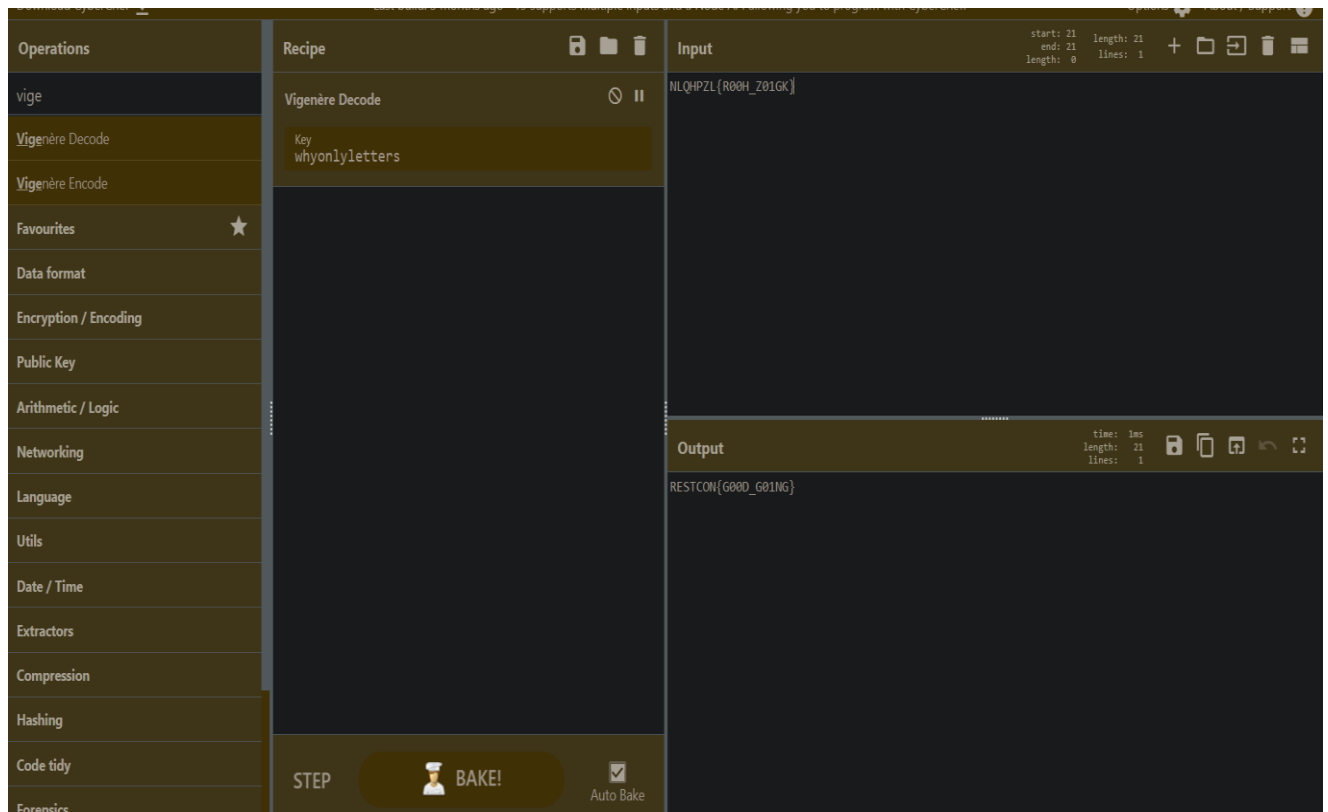Then decoding hex got, **9 44 999 666 66 555 999 555 33 8 8 33 777 7777**

From the last decoded message, we get that it's dial pad/phone call pad number.

Finally, after decoding this, I got the key **whyonlyletters** .

Now we have to decode vigenere cipher. We have cipher text
NLQHPZL{R00H_Z01GK} and key **whyonlyletters .**

After decoding the cipher, I got the flag.

The flag is: **RESTCON{G00D_G01NG}**