



CUSTOM CIPHER

Description:

Your scripting cant break my encoding!

VWRXWFWI{Vr3J8NJks4Tn58PjDv3IPNc9VueGFwlu}

Initially, it seemed like the pattern resembled a Vigenère Cipher or something similar. Upon further analysis, it turned out to be **ROT13**, a simple substitution cipher that replaces each letter in the alphabet with the one 13 positions after it. This technique effectively rotates the alphabet by half its length, making it a straightforward yet effective method for obfuscation in certain contexts. Unlike Vigenère, which uses a keyword for encryption, ROT13 requires no key and can be easily change the rotating amount. In this case, the amount of the ROT13 was **23**.

1. Use CyberChef

The screenshot shows the CyberChef interface. On the left, the 'Recipe' panel has a 'ROT13' recipe selected. The options 'Rotate lower case chars' and 'Rotate upper case chars' are checked, while 'Rotate numbers' is unchecked. The 'Amount' is set to 23. On the right, the 'Input' field contains the string 'VWRXWFWI{Vr3J8NJks4Tn58PjDv3IPNc9VueGFwlu}'. The 'Output' field shows the result: 'STOUTCTF{So3G8KGhp4Qk58MgAs3FMKz9SrbDCtir}'.

2. Alternative Way

Can also performed using single line command:

```
$
echo "VWRXWFWI{Vr3J8NJks4Tn58PjDv3IPNc9VueGFwlu}" | tr 'A-Za-z' 'X-ZA-Wx-za-w'
```

```
(osiris@ALICE)~/Downloads/CTF/STOUTCTF
$ echo "VWRXWFWI{Vr3J8NJks4Tn58PjDv3IPNc9VueGFwlu}" | tr 'A-Za-z' 'X-ZA-Wx-za-w'
STOUTCTF{So3G8KGhp4Qk58MgAs3FMKz9SrbDCtir}
```

Flag STOUTCTF{So3G8KGhp4Qk58MgAs3FMKz9SrbDCtir}