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nbrisset / CTF



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Create new fileFind fileHistory

nbrisset Merge branch 'master' of https://github.com/nbrisset/CTFLatest commit 7594ed3 on 13 Feb

 README.md	Merge branch 'master' of https://github.com/nbrisset/CTF	a month ago
 final.txt	2 new BitsCTF 2017 writeups	a month ago

 README.md

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Sherlock (Crypto, 60 points)

Sherlock has a mystery in front of him. Help him to find the flag.

This challenge is [an excerpt](#) of the adventures of Sherlock Holmes. While I was reading the first paragraph, a thing really jumped out at me: there were some capital letters randomly put in the text, such as "i was seiZEd with a keen desiRe tO see holmes again".

Then I extracted all the capital letters, which eventually gave "binary words" (ZERO and ONE).

>>> file = open('final.txt', 'r').read()
>>> capitals = ''.join([c for c in file if c.isupper()])
>>> print capitals
ZEROONEZEROZEROZEROONEZEROZEROONEZEROZEROONEZEROONEZEROONEZEROONEZEROONE
ZEROZEROZEROONEZEROONEZEROZEROONEZEROONEZEROZEROZEROZEROONEONEZEROONEZEROONEZERO
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ONEONEZEROZEROZEROONEZEROZEROONEONEZEROONEONEONEZEROZEROONEONEZEROONEONEZEROONE
ONEONEONEONEZEROONE
>>>

Then I turned these ZERO and ONE into binary, and converted it in ASCII.

>>> binary = capitals.replace('ZERO', '0').replace('ONE', '1')
>>> print binary
0
100001001001001010101000101001101000011010101000100011001111011011010000011000101
100100001100110101111100110001011011100101111011100000110110000110100001100010110
1110010111110011010100110001001101110011001101111101
>>> binary = int(binary, 2)
>>> print binary
27268660991179512954985252255578187377187154666285848717059109757
>>> import binascii
>>> binascii.unhexlify('%x' % binary)
'BITSCTF{h1d3_in_pl41n_5173}'

