

HackTheBox – Bank Heist Write Up

Tools: - Multi-tap Phone Cipher (SMS) (<https://www.dcode.fr/multitap-abc-cipher>)
 - Atbash Mirror Cipher (<https://www.dcode.fr/atbash-mirror-cipher>)

Walkthrough:

Step	Description
1	<p>Unzip the files from the zip file. Inside “bank_heist_message.txt”, a ciphertext was found.</p> <p>444333 99966688 277733 7773323444664 84433 22244474433777, 99966688 277733 666552999. 99966688777 777744277733 666333 84433 443344477778 4447777 44466 99966688777 4466688777733. 84433 5533999 8666 84433 55566622255 4447777 22335556669. 4666 8666 727774447777.</p> <p>47777888 995559888 4555 47777888 44999988 666555997 : 8555444888477744488866888648833369!!</p>
2	<p>Based on the hint of the challenge, the type of cipher text refers to the T9 keyboard used in older hand phones with keyboards. The cipher text was decoded in www.dcode.fr website.</p> <p>The decoded message is shown below:</p> <p>IIGF YOU ARE READING THE CIPHER YOU ARE OKAY YOUR SHARE OF/ODE/OED THE HEIST GHS/HGS/IRP/IS IN/IMM YOUR HOUSE THE KEY TO THE LOCK GHS/HGS/IRP/IS BELOW GO TO PARIS GSV XLWV GL GSV HZU OLXP: TLIVGRIVNVMGUFMW!!</p>
3	<p>The decrypted message is yet to be fully decrypted and based on the “GSV” text that appears twice could be “THE”. A guess to this type of cipher text may be an ATBASH Mirror encrypted text.</p> <p>[0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] A B C D E F G H I J K [11] [12] [13] [14] [15] [16] [17][18] [19] [20] [21] L M N O P Q R S T U V [22] [23] [24] [25] W X Y Z</p>

	$G + T = 6 + 19 = 25$ $S + H = 18 + 7 = 25$ $V + E = 21 + 04 = 25$
4	<p>Decrypt the remaining cipher text in www.dcode.fr. The full decrypted message is:</p> <p>IF YOU ARE READING THE CIPHER YOU ARE OKAY YOUR SHARE OF THE HEIST IS IN YOUR HOUSE THE KEY TO THE LOCK IS BELOW. GO TO PARIS.</p> <p>THE CODE TO THE SAF LOCK (Please decrypt yourself ☺)</p>

Flag is HTB{Please decrypt yourself ☺}

*Don't forget to include the symbol "!!" as the website removes the punctuation marks after decoding.