



recruitment 2024-25

CHALLENGE NAME: [Crypto

Maniac]

DEV: [Riya Shah]

CATEGORY: [Cryptography]

LEVEL: [EASY]













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Challenge Description:

Mr Robert Reed and Mr Joe Reed, twins born on 3rd January 1990, saved their shared bank credentials in a password protected file to avoid any mischief in case of thefts. Turns out they forgot the password. They left certain clues to recover the password in such cases in the files giovan_key.txt and pass.txt interlinked. Help them recover the credentials. Also they do remember that the word 'key' might lead to some answers.

Alphabet:

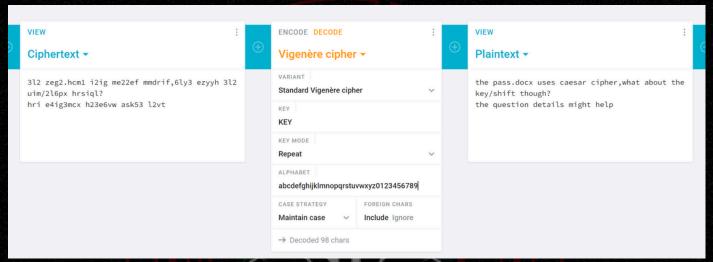
ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

Flag Format:RecruitmentCTF{}

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WRITEUP:

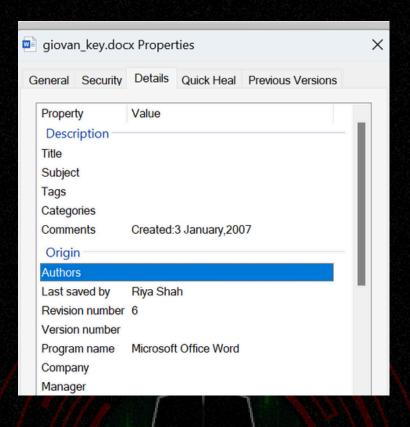
1) As the file name giovan_key.docx suggests,the file contains texts encrypted using the Vigenere Cipher (Giovan Battista Bellaso had invented it),the key used is 'key'(hint provided in the question).

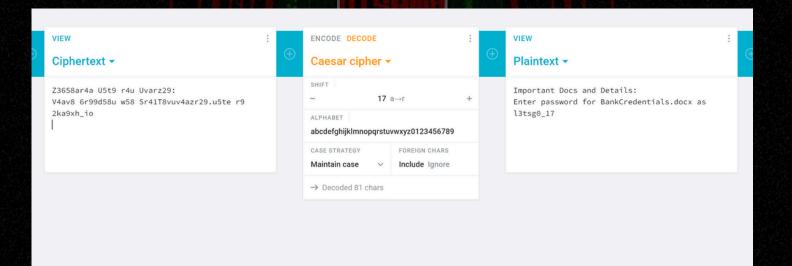


2) The decoded texts says that the file pass.docx uses Caesar Cipher.The Shift/key for the Cipher turns out to be the age of the twins at the time when the file was created, which was on 3rd Jan 2007(check metadata of Giovan_key.docx), so the shift is 17.



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3) On encrypting the text in pass.docx we get the password for BankCredentials.docx,which gives us the flag.

Flag:RecruitmentCTF{cry9t0_ex910r4ti0n}

