1. Check Metadata of image via file or exiftool

```
shxn@shxn-virtual-machine:~/Downloads/CZ4067_CTF_exercises/CZ4067_CTF_exercises/
Challenges/Forensics/4. New Meta$ file "New Meta.jpg"
New Meta.jpg: JPEG image data, JFIF standard 1.01, resolution (DPI), density 96x
96, segment length 16, Exif Standard: [\012- TIFF image data, big-endian, dirent
ries=3, copyright=Q1o0MDY3e00zNzRENDc0X0M0Tl9CM18zRDE3M0RfSlU1N19MMUszXzdIMTV9],
 progressive, precision 8, 1200x628, components 3
shxn@shxn-virtual-machine:~/Downloads/CZ4067_CTF_exercises/CZ4067_CTF_exercises/
```

```
shxn@shxn-virtual-machine:~/Downloads/CZ4067_CTF_exercises/CZ4067_CTF_exercises/
Challenges/Forensics/4. New Meta$ exiftool "New Meta.jpg"
ExifTool Version Number         : 12.40
File Name                       : New Meta.jpg
Directory                       : .
File Size                       : 84 KiB
File Modification Date/Time      : 2022:12:04 23:56:18+08:00
File Access Date/Time            : 2023:03:16 21:06:46+08:00
File Inode Change Date/Time      : 2023:03:16 17:55:44+08:00
File Permissions                : -rw-rw-r--
File Type                       : JPEG
File Type Extension             : jpg
MIME Type                       : image/jpeg
JFIF Version                    : 1.01
Resolution Unit                 : inches
X Resolution                    : 96
Y Resolution                    : 96
Exif Byte Order                 : Big-endian (Motorola, MM)
Copyright                       : Q1o0MDY3e00zNzRENDc0X0M0Tl9CM18zRDE3M0RfSlU1N1
9MMUszXzdIMTV9
Padding                         : (Binary data 1998 bytes, use -b option to extr
act)
About                           : uuid:faf5bdd5-ba3d-11da-ad31-d33d75182f1b
Rights                          : Q1o0MDY3e00zNzRENDc0X0M0Tl9CM18zRDE3M0RfSlU1N1
9MMUszXzdIMTV9
Image Width                     : 1200
Image Height                    : 628
Encoding Process                : Progressive DCT, Huffman coding
Bits Per Sample                 : 8
Color Components                : 3
Y Cb Cr Sub Sampling            : YCbCr4:2:0 (2 2)
Image Size                      : 1200x628
Megapixels                      : 0.754
shxn@shxn-virtual-machine:~/Downloads/CZ4067_CTF_exercises/CZ4067_CTF_exercises/
```

Copyright information typically includes the name of the copyright holder, the year of copyright, and other details about the usage and distribution of the image.

From the meta data, it definitely looks encoded, now send the entire copyright string to a base64 decoder. Flag is -> CZ4067{M374D474_C4N_B3_3D173D_JU57_L1K3_7H15}