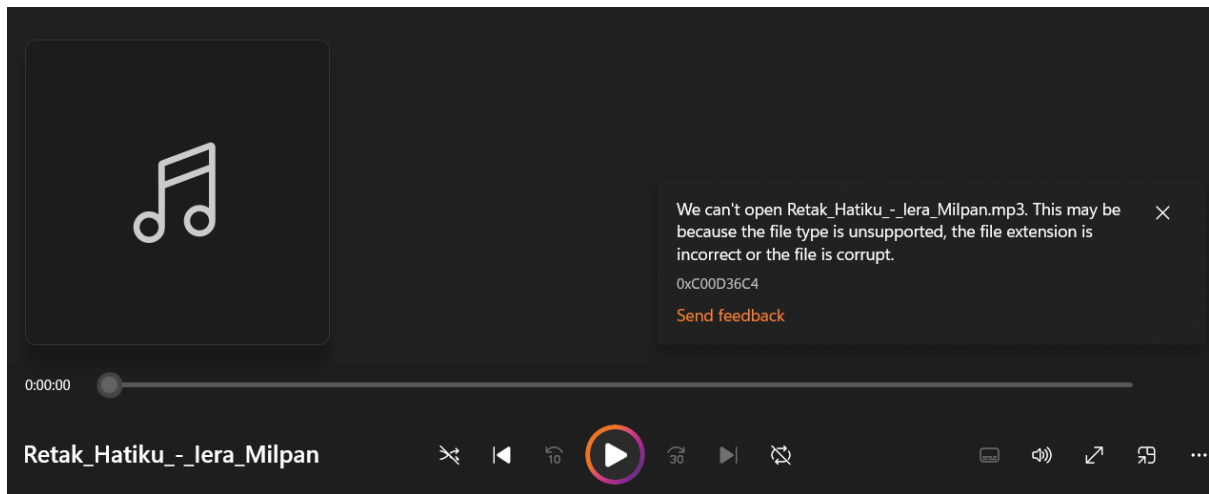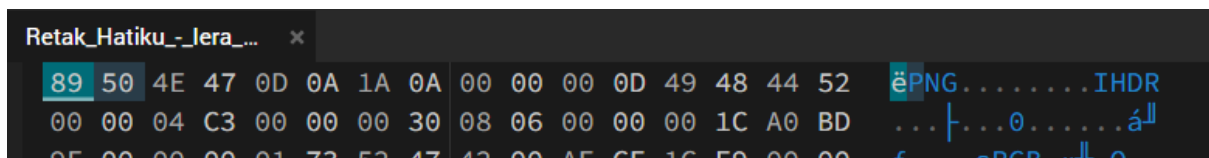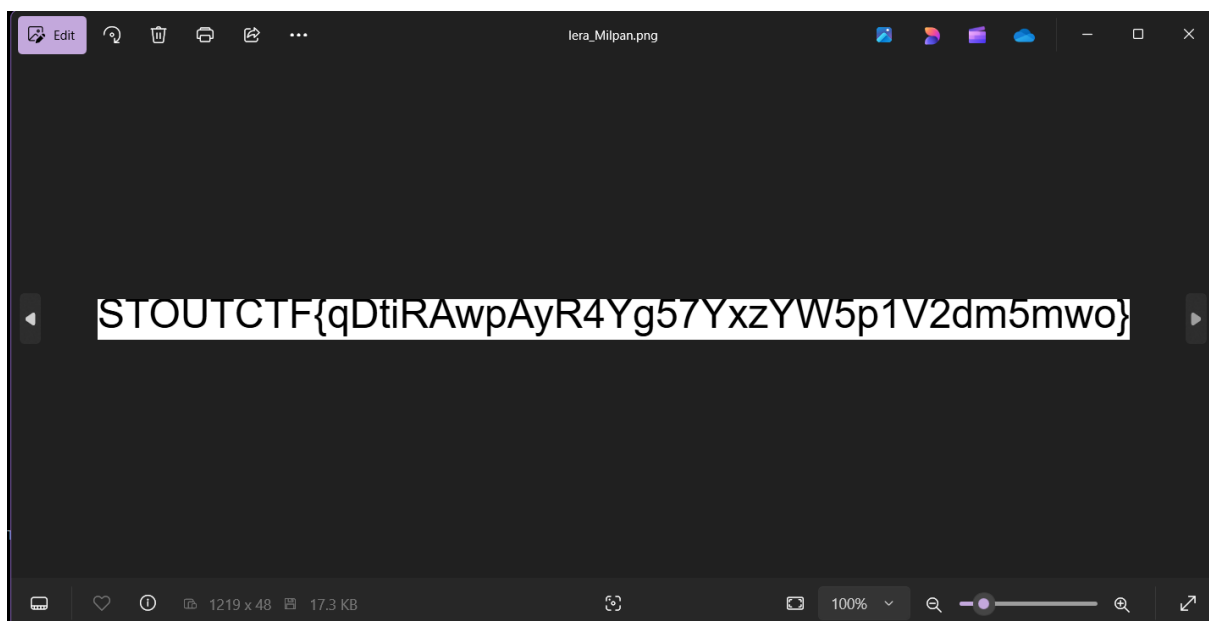Question : Iera Milpan

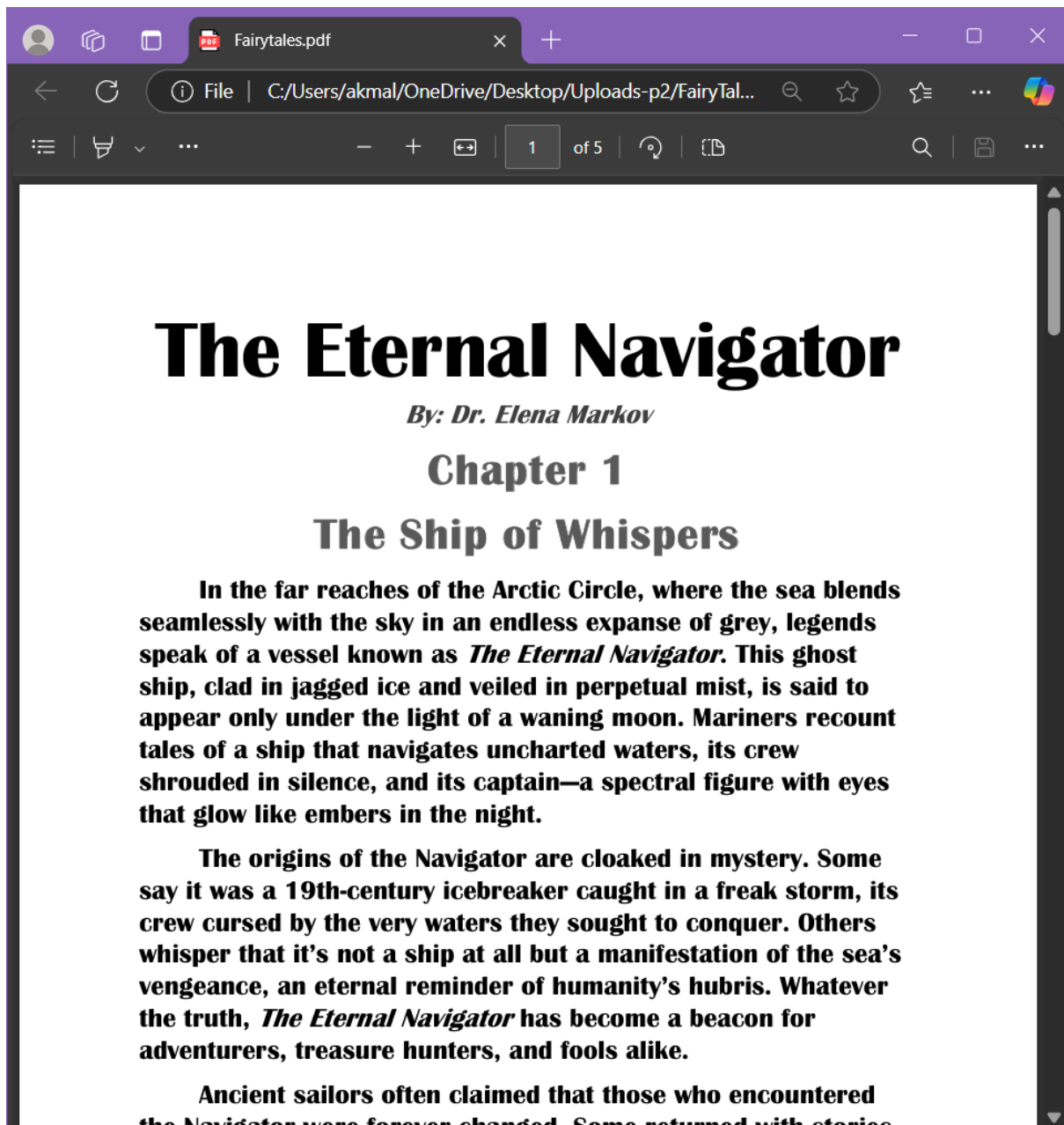I have been given a mp3 file but there's an error

So I went to only hex editor and saw that It was actually a png

After I saved it as .png I got the flag !!

STOUTCTF{qDtiRAwpAyR4Yg57YxzYW5p1V2dm5mwo}

Question: Fairytales

File | C:/Users/akmal/OneDrive/Desktop/Uploads-p2/FairyTal...

1 of 5

The Eternal Navigator

By: Dr. Elena Markov

Chapter 1

The Ship of Whispers

In the far reaches of the Arctic Circle, where the sea blends seamlessly with the sky in an endless expanse of grey, legends speak of a vessel known as *The Eternal Navigator*. This ghost ship, clad in jagged ice and veiled in perpetual mist, is said to appear only under the light of a waning moon. Mariners recount tales of a ship that navigates uncharted waters, its crew shrouded in silence, and its captain—a spectral figure with eyes that glow like embers in the night.

The origins of the Navigator are cloaked in mystery. Some say it was a 19th-century icebreaker caught in a freak storm, its crew cursed by the very waters they sought to conquer. Others whisper that it's not a ship at all but a manifestation of the sea's vengeance, an eternal reminder of humanity's hubris. Whatever the truth, *The Eternal Navigator* has become a beacon for adventurers, treasure hunters, and fools alike.

Ancient sailors often claimed that those who encountered the Navigator were forever changed. Some returned with stories

I have been given a pdf file that contains a 5 page short story.

Result
{'/Producer': 'Fairytales',
 '/Title': 'The Eternal Navigator',
 '/Author': 'Dr. Elena Markov',
 '/UUID': ',UImd-#t;S9KurE2dp]>B-Kl,5TsQL3@$@-BLO4&1Ee&fF_G88A53',
 '/CreationDate': "D:20241219070000+01'00'",
 '/Keywords': 'Flag: NGUgNjkgNjMgNjUgMjAgNzQgNzIgNzkgMmMgMjAgNjUgNzggNzAg
 '/Creator': 'Peyton Braun',
 '/ModDate': "D:20241219070000+01'00'",
 '/Subject': 'Can you uncover the secrets of The Eternal Navigator'}

So I checked for the pdf metadata and saw the keywords and uuid

I tried decoding the Keywords but no that's not the flag so I need to encode the UUID

After reading the pdf and ask my bestfriend (gpt) there's some hinting about 47 and 1985 so I guess it's a cipher ?? since there are base85 and rot47 so I went to the ctf players favourite website decoder which is cyberchef !!

Recipe

From Base85

Alphabet
!-u

☑ Remove non-alphabet chars

All-zero group …
z

ROT47

Amount
47

Input

,UImd-#t;S9KurE2dp]>B-Kl,5TsQL3@$@-BLO4&1Ee&fF_G88A53

Output

STOUTCTF{n2ff2B98QwhoP29hSaV9tTabPTGF94Z5}

After playing around with the ciphers I got the flag !!

STOUTCTF{n2ff2B98QwhoP29hSaV9tTabPTGF94Z5}

Question: Normal Image

I was given a picture

So I used aperisolve and saw the flag in zsteg

STOUTCTF{1ywHGox1ZRNcAftHt1CWP9YT1PKT1inR}

Question: Rock You

I was given a file with password on it

```
┌──(nyamuk☹kali)-[~/Downloads]
└─$ zip2john RockYou.zip > rockyou_hash.txt

ver 1.0 efh 5455 efh 7875 RockYou.zip/Flag.txt PKZIP Encr: 2b chk, TS_chk,
9A2B cs=9a2b type=0

┌──(nyamuk☹kali)-[~/Downloads]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt rockyou_hash.txt

Using default input encoding: UTF-8
Loaded 1 password hash (PKZIP [32/64])
No password hashes left to crack (see FAQ)

┌──(nyamuk☹kali)-[~/Downloads]
└─$ john --show rockyou_hash.txt

RockYou.zip/Flag.txt:Passw0rd123:Flag.txt:RockYou.zip::RockYou.zip

1 password hash cracked, 0 left

┌──(nyamuk☹kali)-[~/Downloads]
└─$ 
```

I used the John the ripper to get the password which is Passw0rd123

```
┌──(nyamuk☹kali)-[~/Downloads]
└─$ unzip RockYou.zip
Archive:  RockYou.zip
[RockYou.zip] Flag.txt password:
replace Flag.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  extracting: Flag.txt

┌──(nyamuk☹kali)-[~/Downloads]
└─$ cat Flag.txt
STOUTCTF{wxxD6DH2c4yyeKhoXKvz7W8NrRUb4b1J}
```

So I just unzip the file and use cat to view the content of the flag.txt
STOUTCTF{wxxD6DH2c4yyeKhoXKvz7W8NrRUb4b1J}

Question: Orbs Of Light

this one was complete "To
find the truth, follow ... wkh ruev ri oljkw, wkhb
iolfnhu 1q d suhglfwdeoh sdwwhuq,
wkhb zloo ohdg brx wr Wkh Hwhuqdo Qdyljdwru. Wkh sdvvzrug
brx vhhn lv rue5ri01jkw"
With this, she knew what she needed to do.

From the description we got the hint for the password needed to open the file

Recipe

ROT13

☑ Rotate lower case chars   ☑ Rotate upper case chars

☐ Rotate numbers   Amount
                    23

Input

wkh ruev ri oljkw, wkhb iolfnhu 1q d suhglfwdeoh sdwwhuq,
wkhb zloo ohdg brx wr Wkh Hwhuqdo Qdyljdwru. Wkh sdvvzrug brx vhhn lv rue5ri01jkw

ABC 140   ☰ 2   ⦿ 140   Tr Raw Bytes   ↵ CRLF (detected)

Output

the orbs of light, they flicker 1n a predictable pattern,
they will lead you to The Eternal Navigator. The password you seek is orb5of01ght

And it was a video file so I open it
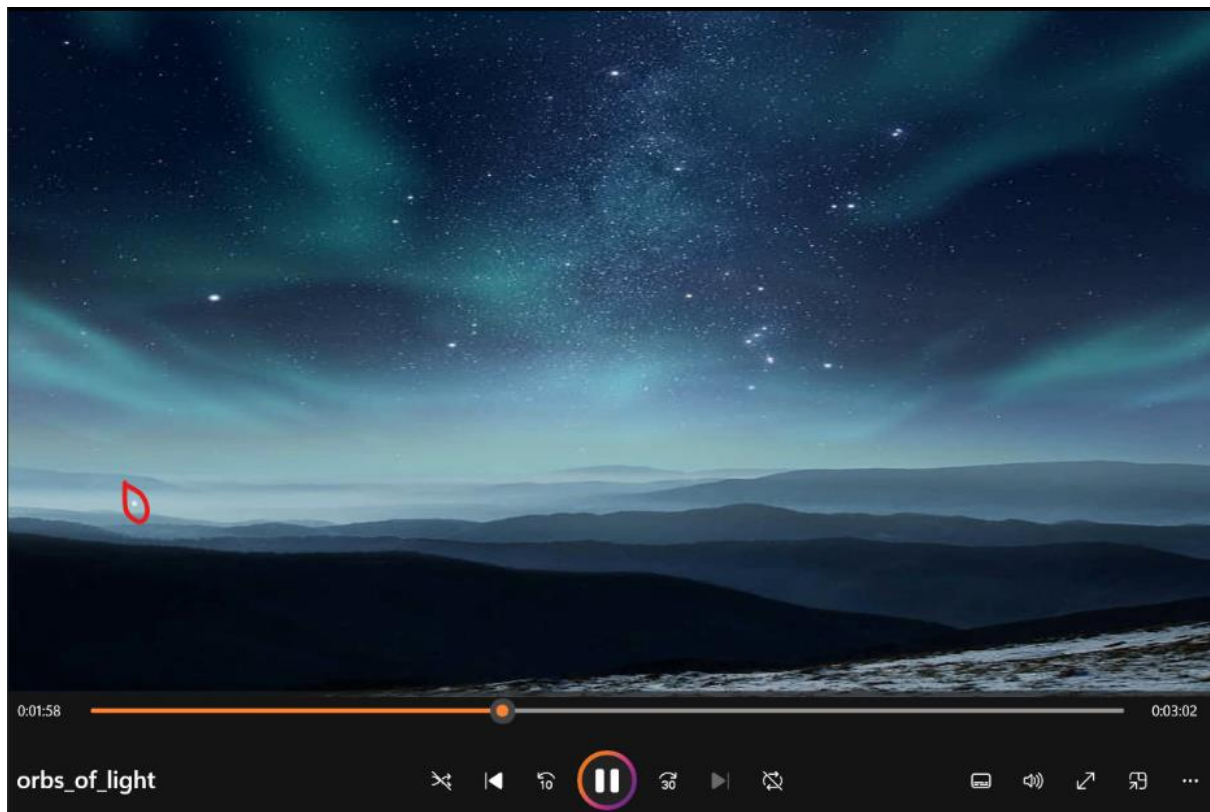
I saw something blinking on the left side of the video and the way it looks like to me it's a morse code so I just use a morse code editor
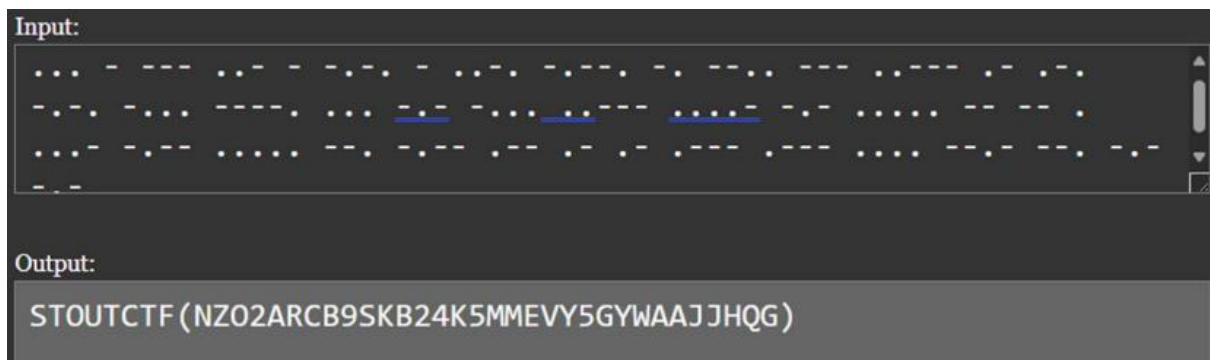
And I got the flag!!

STOUTCTF(NZO2ARCB9SKB24K5MMEVY5GYWAAJJHQG)