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Title : I am an Investigator

Git-Hub Links :

<https://github.com/Jayesh-2003>

<https://github.com/ATHARVA-GAWAS>

Category : OSINT

Description : Our CrimeBranch is investigating the following crime. We cannot afford to visit the crime scene IRL, please help us.

Flag : VishwaCTF{n0t_4_murd3r_just_4_m1sund3rst4nd1ng}

Writeup

1. Download the image given, we can notice it is corrupted, so we need to repair it.

```
00000000 42 48 41 49 0D 0A 1A 0A 00 00 00 0D 49 48 44 52 BHAT.....IHDR
00000001 00 00 18 2A 00 0E 02 66 08 06 00 00 3E F3 37 ...*...f.....>=7
00000002 0B 00 00 08 BC 7A 54 58 74 52 61 77 20 70 72 6F 8...zTXtRaw pro
00000003 66 69 6C 65 20 74 79 70 65 20 65 78 69 66 00 00 file type exif..
00000004 78 DA AD 97 69 B2 1B BB 0D 85 FF 73 15 59 02 41 xriüi.à s.Y.A
00000005 70 5C 0E C7 AA EC 20 CB CF 0F B6 24 FB 5E FB C5 p\.-∞ T. |$√√t
00000006 2F 95 48 A5 EE 16 9B 0A 01 9C 83 81 6E FF EB 9F /ôHNz.ç..fäün òf
00000007 07 FD 83 4F 88 25 B8 98 4A CD 2D 67 CF 27 B6 D8 |²â0ê%ÿJ=-g¹|t
00000008 42 E7 A1 FA E7 33 EE 55 7C BC D7 FB 09 5D EA 6B Bzi·τ3eU|t\..]Ωk
00000009 F4 CB B8 43 44 78 66 30 A4 DC F5 79 D1 C2 4B D8 [TCDxf0ñ]yTtKt
0000000A 66 3C 7C E6 FB F6 DA 44 DE F3 DF 82 DE 0F D2 79 f<|μ√v·rD|ε=éL.Ty
0000000B 44 3F 5E F4 F7 82 F1 75 7C BC 04 86 FA 5D D0 4B J?^|z±u|d.â·]K
0000000C 03 95 67 67 BF 5E 0B 5E 82 34 BC 34 8A CF FF 99 .òggγ.^.^é44è= Ö
0000000D 9F 7B 6E B5 7C 31 6D F5 D7 CE EF A1 FA E3 17 B5 f{nt|1m|t|ñi·n·t
0000000E 84 9C B2 94 C8 35 06 1F 43 C1 E2 A4 F8 72 99 92 äëöë5...C-Tñ·rÔÆ
0000000F 67 86 66 4B D2 30 8D BE 0D 5C A7 97 67 6A 40 9F gâfKt0iJ.\.ügjof
00000010 B0 55 D4 73 55 0D 8F 86 6A 3F D5 CE DD AE 41 33 \UtsU.Äâj?T| «A3
00000011 F3 C4 69 E6 0F 5B DF 17 F5 3A DD 03 63 F0 05 15 ≤-iμ.[.]:|.c=..
00000012 CB 23 F8 BC 51 C4 91 3F FB E5 73 F7 2F 8D BE 7F T#°JQ-æ?√σs·/i|Δ
00000013 FE 64 92 47 FF B3 6D E2 6F 50 FB CE 97 CF D3 37 ·dÆG |mToPv|t=7
00000014 BE 48 7B C3 F6 95 2E AE 86 D7 14 FD 0A A7 CF 9F |Ht|+·ò. «ât.².·of
00000015 FB 6F C7 25 FD 05 FC 17 E4 9F 76 AE F5 F5 14 BE √o|%². n. zfv«|] .J
00000016 8E E3 A6 FA C5 0F 2F 84 9D 5D CE 59 F5 5C A3 B1 Äπ·+. /ä¥]tY| \Ü
00000017 A2 C7 8E 2F F2 CB A8 B7 89 F7 89 79 C3 3C 78 97 ó|t|/zTÿê=ëÿ<xü
00000018 66 BE 85 F5 E2 B9 F8 E2 B8 34 BE D5 77 3F 21 DD fà-tq·Tq4t fw?!!
00000019 F2 13 F2 0E 9E 9B 04 70 3F 12 65 49 97 23 FD DE ≥.z. Pç.p?·eIûß√|
0000001A A7 4C 54 8C 61 87 C2 3D 84 19 F4 8E 55 07 40 2D °LTiaçT=ä. fÄU. @-
0000001B 4C A0 17 48 C0 57 4E 28 DA 74 69 85 21 F3 F2 27 Lá.HLWN(·t·ià!≤z'
0000001C 6A F8 E8 22 77 DB 76 B7 9B 84 EF F2 4B 98 19 C4 j°è"wwvçân≥Kÿ.-
0000001D 21 4D 58 F2 3F 7F DD 9F 26 9C 33 CD 45 62 BE 04 !MX≥?ç| f&E3=EbJ.
0000001E 7A 79 F0 0D C6 F2 2D E6 45 B5 EB 39 46 82 88 9C zy=. |z μE| ò9néèf
0000001F 97 53 D3 75 F0 FB FB FD 63 B8 2A 08 A6 EB E6 8A üSLu=√v²çγ*. °ðµè
00000200 81 DD 0F 36 42 C2 48 4E 7E 90 4B 2F D0 CA C4 C4 ü|.6BtHN-ÉK/|t—
00000201 FD 89 76 29 EB 25 00 17 B1 77 42 19 51 10 F0 59 ²èv) δ%. .wB.Q.=Y
00000202 34 49 16 5F 42 28 22 11 D3 2A 00 75 54 0F 1A C3 4I. _B("L*. u.T. |
00000203 00 02 49 29 2C 94 0C 51 89 C7 12 A0 2C 7B B3 A6 .I),ò.Qè|·.á, f|°
00000204 C8 9D 1A 52 78 86 C9 A6 00 91 88 D6 A2 A0 D6 B4 L¥. RxâF°.æèróá|t
00000205 03 56 8C 09 FE 94 58 E1 50 4F 9A 62 4A 29 A7 92 .Vi. -òXBPOùBJ) °Æ
00000206 6A 6A A9 2D C6 16 75 39 97 6C 69 B9 17 2D B1 A4 jjj-g..u9ùli|. -ñ
00000207 02 4B 30 8F 84 82 4B 8C 50 6A 8A 80 62 51 C0 A4 rva|t. y. ç·t·v
```

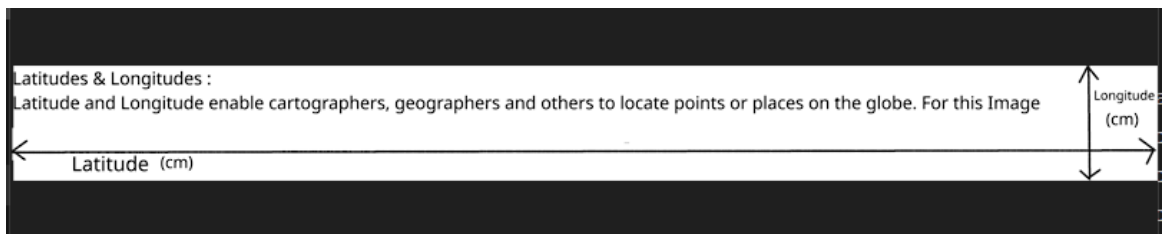
3. the solved he would look like

89	50	4E	47	0D	0A	1A	0A	00	00	00	0D	49	48	44	52	ëPNG.....IHDR
00	00	18	2A	00	00	02	66	08	06	00	00	00	3E	F3	37	...*....f.....>≤7
EB	00	00	08	BC	7A	54	58	74	52	61	77	20	70	72	6F	δ...JzTXtRaw pro
66	69	6C	65	20	74	79	70	65	20	65	78	69	66	00	00	file type exif..
78	DA	AD	97	69	B2	1B	BB	0D	85	FF	73	15	59	02	41	x[;ù; . .à s.Y.A
70	5C	0E	C7	AA	EC	20	CB	CF	07	B6	24	FB	5E	FB	C5	p\ . [∞] [∞] . \$√^√
2F	95	48	A5	EE	16	9B	04	01	9C	83	81	6E	FF	EB	9F	/òHÑε.ç..εäün δf
C7	FD	83	4F	88	25	B8	98	4A	CD	2D	67	CF	27	B6	D8	²â0&%ŋÿJ=—g¹· †
42	E7	A1	FA	E7	33	EE	55	7C	BC	D7	FB	09	5D	EA	6B	Βτí·τ3εU J √·.]Ωk

5. There is a hint too in the hex

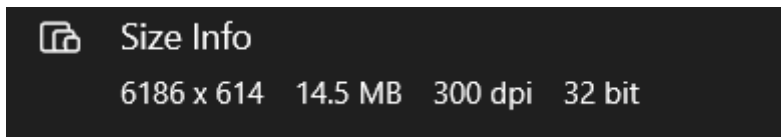
```
FF 71 0D 74 2D D7 4E C5 6B 00 00 00 00 49 45 4E q.t--N+k....IEN
44 AE 42 60 82 43 61 6E 27 74 20 61 62 6C 65 20 D«B`éCan't able
74 6F 20 6C 6F 63 61 74 65 20 65 78 61 63 74 20 to locate exact
6C 6F 63 61 74 69 6F 6E 2E 42 75 74 20 73 6F 6D location.But som
65 68 6F 77 20 67 6F 74 20 61 70 70 72 6F 78 20 ehow got approx
6C 6F 63 61 74 69 6F 6E 2E 54 68 65 20 6E 65 77 location.The new
7A 20 77 61 73 20 6D 75 72 64 65 72 20 68 61 70 z was murder hap
70 6E 65 64 20 6F 6E 20 64 6F 63 6B 20 6E 65 61 pned on dock nea
72 62 79 2E 49 20 74 68 69 6E 6B 20 79 6F 75 20 rby.I think you
63 61 6E 20 66 69 6E 64 20 69 74 20 72 69 67 68 can find it righ
74 3F + t?
```

7. The repaired image looks like

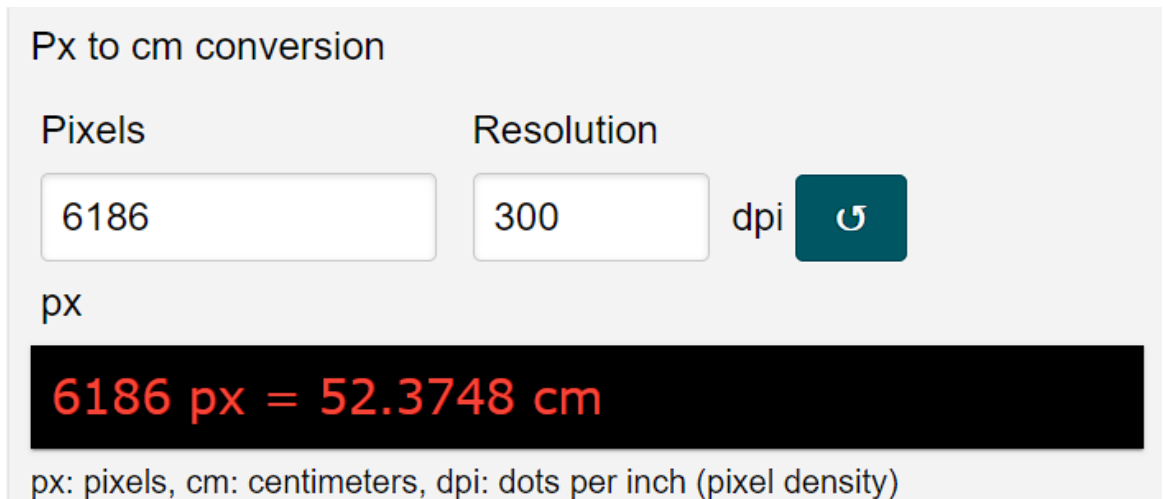


8.

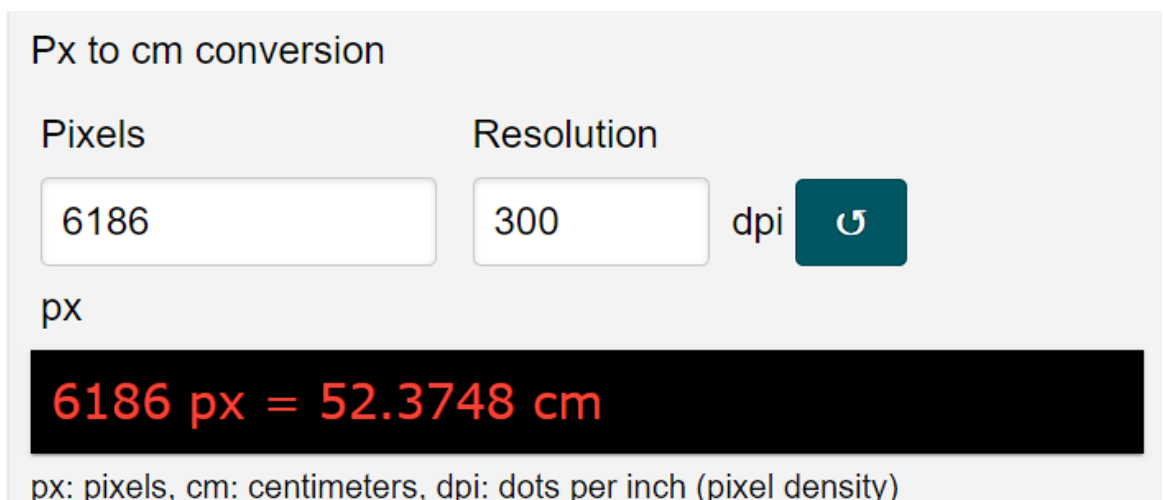
9. Look at the size and dpi of the image, and convert it to centimetres as shown in the real image.



10.

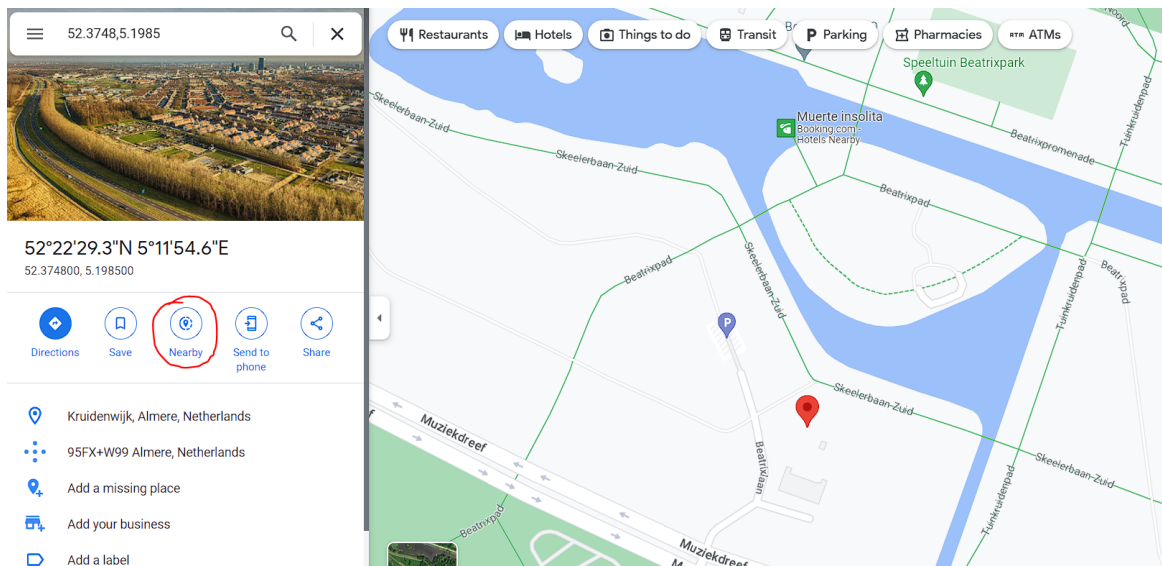


11.



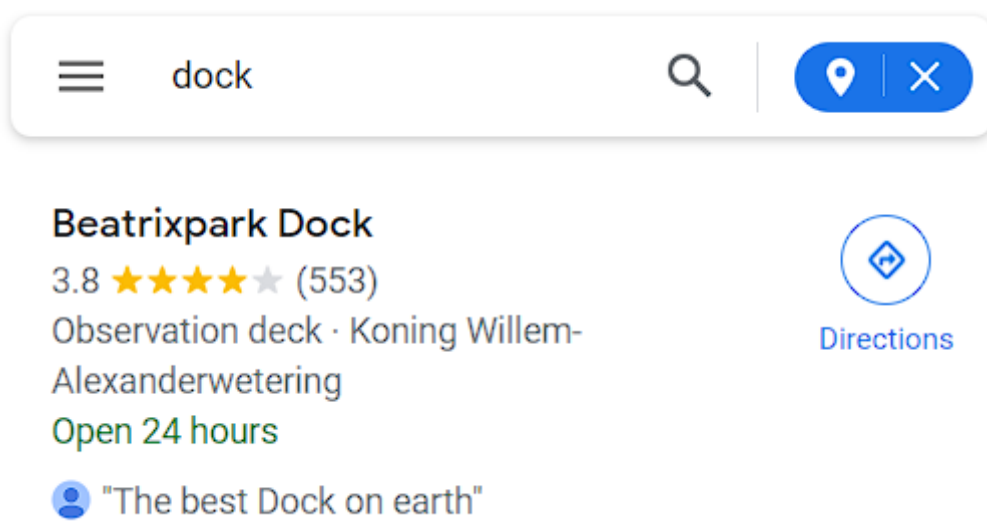
12.

13. Now check the coordinates as given in the hint in hex



14.

15. Search for the dock



16.

17. Check the comments



...the lake?"



"It was lovely 🧑 i even saw the body in the **water**"



Write a review

Reviews



Sort

All

dead body 111

blood 15

google 12

dog 9

+5



vishwa_crimebranch

1 review



2 weeks ago

NEW

VishwaCTF

I use same username for insta you can ask me questions about crime scene there



3

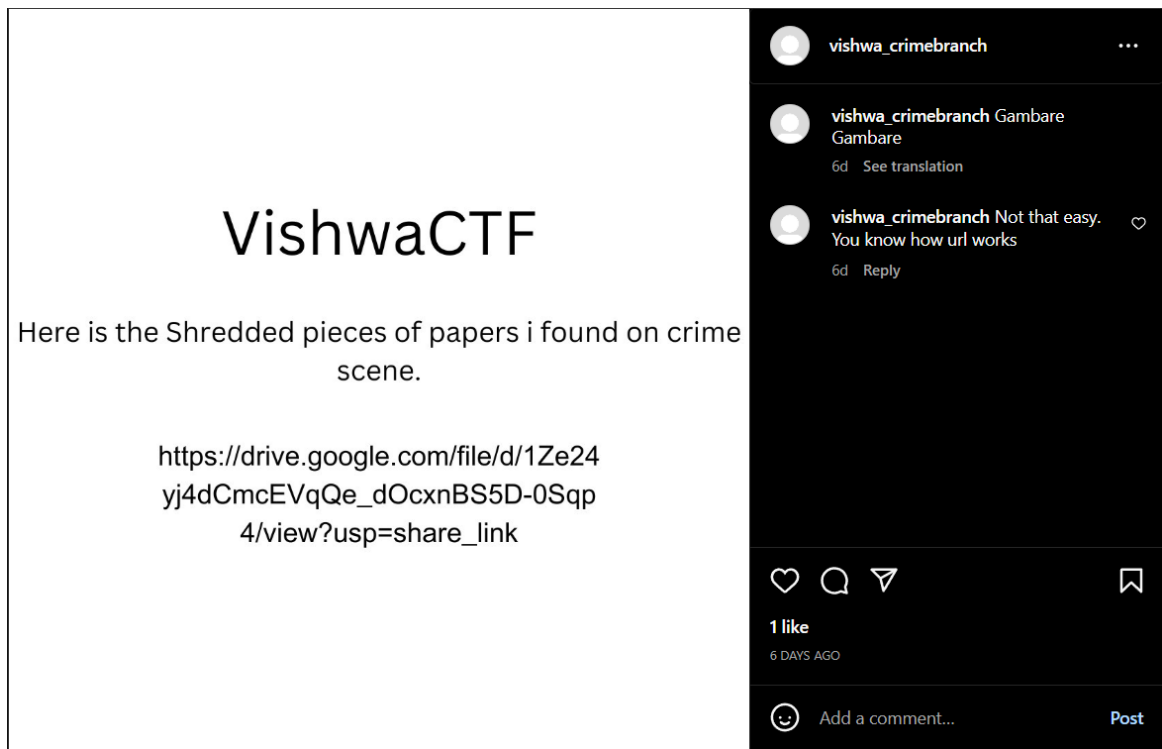


Share

18.

19. Check the insta account of the mentioned user 'vishwa_crimbranch'.

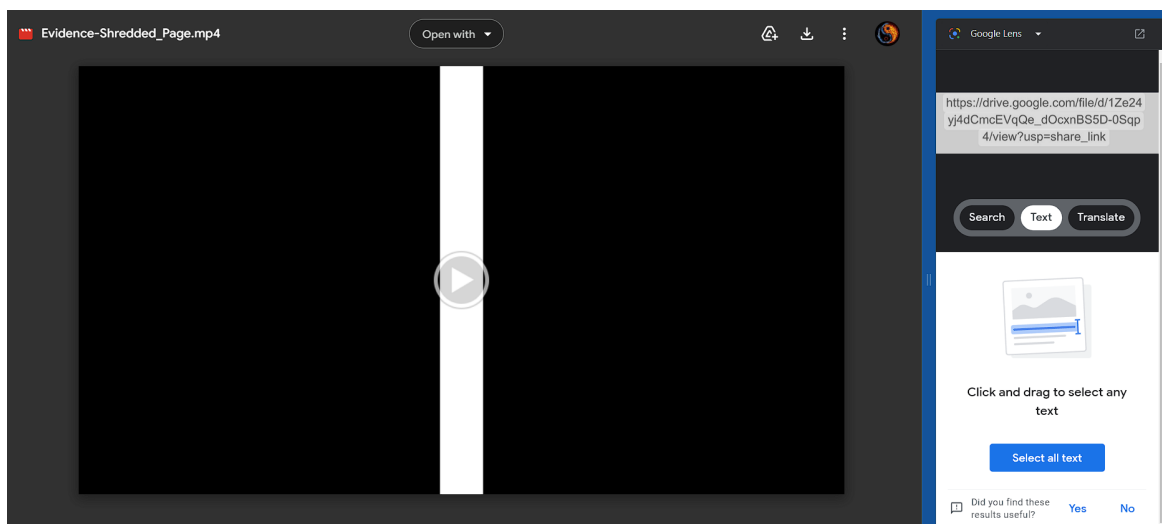
20.



21. Follow the drive link.

22. We a mp4 file there.

23.





- 24.
25. Now according to the hint, get the frames of the video and join the shredded pieces of it.

video to GIF

to WebP

to APNG

crop video

resize

rotate

reverse

mute

cut video

speed

subtitles

save

1

1

1

1

File size: 35.79KiB, width: 38px, height: 380px, type: mp4 (video), length: 00:00:09

convert

Notice: video preview may have reduced quality, but it won't affect generated image.

Not all types of video can be played with this player and/or web browser.

so if the player is not working for you, you can try to generate the image anyway.

Start time (seconds):

Use current position

End time (seconds):

Use current position

Size:

Frame rate (FPS):

Convert to JPG!

Output JPG images:

(Video conversion may take a while, especially if you selected high frame rate and resolution)

Create GIF animation

Create APNG

Create WebP

Create AVIF

Create MNG

Download frames as ZIP

01100111 01101001 01100001 0110

01110100 00100000 01110100 0111

01101001 01100001 01101110 0110

01101100 01100101

usa

Ariz

26.

27. We get the following

01100111 01101001 01100001 01101110
01110100 00100000 01110100 01110010
01101001 01100001 01101110 01100111
01101100 01100101

P9W8+2R Wittmann, Arizona, USA

भवन्तः अन्वेषकत्वेन यत् इच्छन्ति तत् प्राप्नुयुः।

सर्वेक्षणं साइट् अपि पश्यन्तु यत् जनाः साइट् विषये किं अवदन्, अपि च
भवन्तः मम साक्षीस्वीकारं अपलोड् कृतं द्रष्टुं शक्नुवन्ति।

28.

29. Translate the text and use the binary code and decode it

✦ Sanskrit → English

01100111 01101001 01100001 01101110
01110100 00100000 01110100 01110010
01101001 01100001 01101110 01100111
01101100 01100101

P9W8+2R Wittmann, Arizona, USA

You'll find what you want as an explorer.

Check out the survey site as well to see what people said about
the site, and you can see my witness confession uploaded.

Search

Text

Translate

From

Binary

To

Text

Open File

Open Bin File

Q

Paste binary numbers or drop file:

01100111 01101001 01100001 01101110 01110100 00100000
 01110100 01110010 01101001 01100001 01101110 01100111
 01101100 01100101

Character encoding (optional)

ASCII/UTF-8

↻ Convert

✕ Reset

↕ Swap

giant triangle

31.

Google Lens

Sanskrit

→

English

01100111 01101001 01100001 01101110
 01110100 00100000 01110100 01110010
 01101001 01100001 01101110 01100111
 01101100 01100101

Copy

P9W8+2R Wittmann, Arizona, USA

You'll find what you want as an explorer.

Check out the survey site as well to see what people said about the site, and you can see my witness confession uploaded.

Search

Text

Translate

"P9W8+2R Wittmann, Arizona, USA"

Copy text

Listen

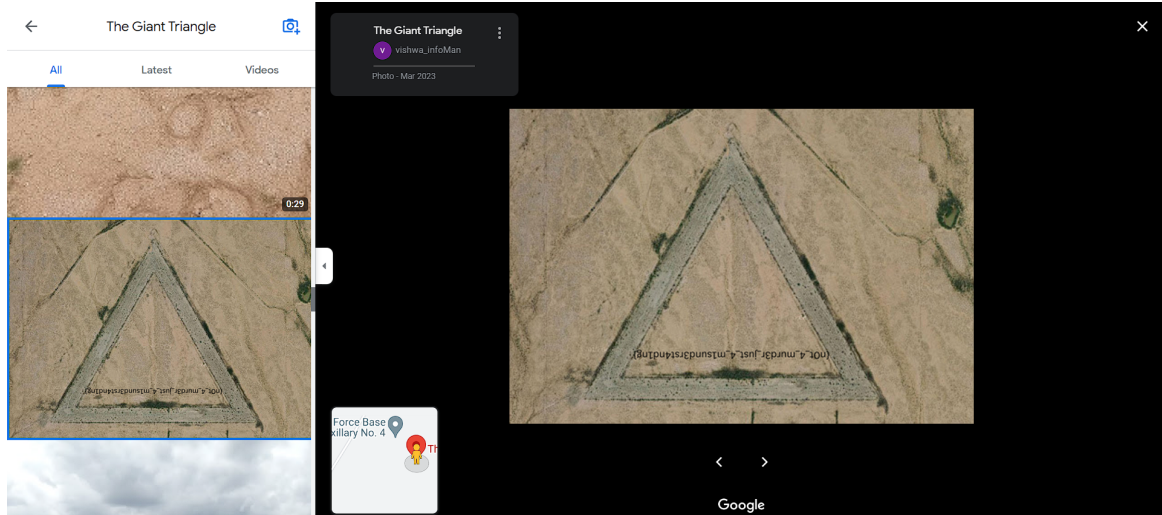
Translate

⌵

P9W8+2R
[Open in Maps](#)

32.

33. Now check the images in the comments and reviews of the giant triangle on google maps related to vishwactf



34.

35. Now invert the image and get the flag.

36. The flag is

37. VishwaCTF{n0t_4_murd3r_just_4_m1sund3rst4nd1ng}