

Hey Dear Folks

A CTF event was held for the students of Cyber Bangla, organized by [Cyber Bangla](#)

I am [Zaber Mahmud](#). I am solving all those problems.

CYBER BANGLAUsersScoreboardChallenges

NotificationsProfileSettings

Challenges

Cryptography

Caesar cipher25

Vignère cipher25

Easy50

Base6450

Base50

Dora Dora100

Change100

Emojiiiiiii100

Change 2150

Multiple Encryption200

Hash 1200

Steganography

Edit100

Check The File200

Nawab200

OSINT

Call Me!!200

Locate Me!!200

Victory200

Find Me Out400

Powered by CTFd

CYBER BANGLAUsersScoreboardChallenges

NotificationsProfileSettings

DoLPH1N

Your Name: Zaber Mahmud

2nd place

2545 points

Base:

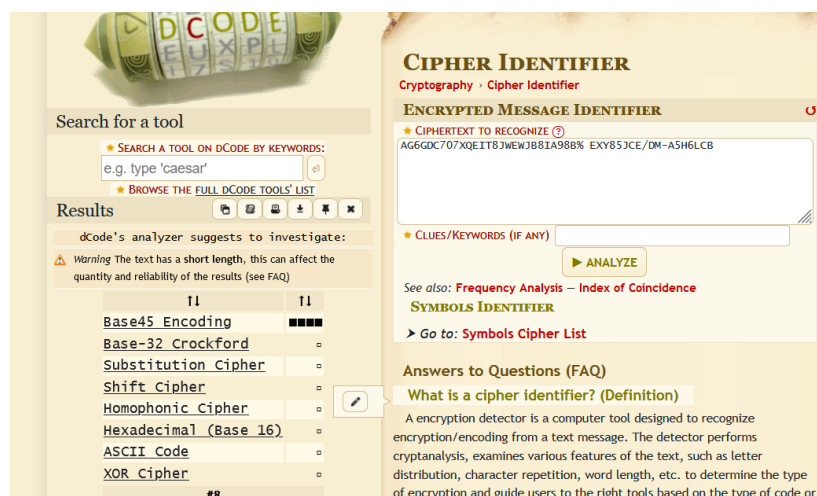
To strengthen the base of something, you have to try the same thing over and over again. If not successful at once, then the course has to be changed.

AG6GDC707XQEIT8JWEWJB8IA98B% EXY85JCE/DM-A5H6LCB

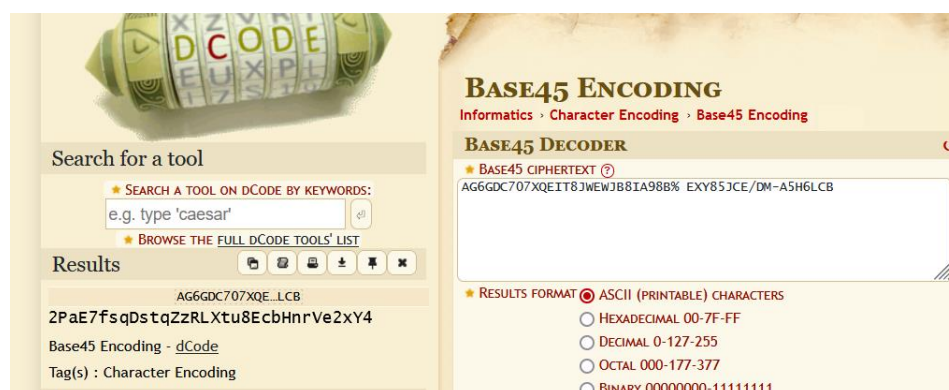
Flag Format:CBCTF{Flag}

Solve :

First go to <https://www.dcode.fr/cipher-identifier> and then



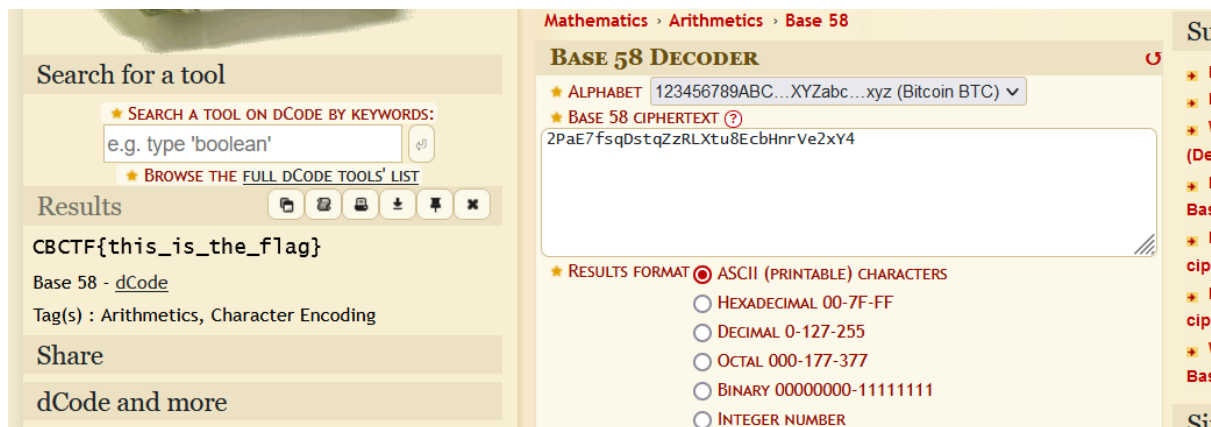
Identify cipher what was that and then this is base45 cipher. Go to <https://www.dcode.fr/base45-encoding>



Then again go to cipher identifier and identify the cipher



This is Base58 cipher and go to this <https://www.dcode.fr/base-58-cipher> and paste it



We will Find the Flag.

Easy:

I am a beginner **cricketer**, If you love **cricket** then you will be successful

drvivewgjp-vskxtj

Flag Format:CBCTF{Flag}

Solution: If you find a hints and a cipher that must be <https://www.dcode.fr/vigenere-cipher> in this cipher here need a key or password. Here we see the bold 2 word. So try to execute them.



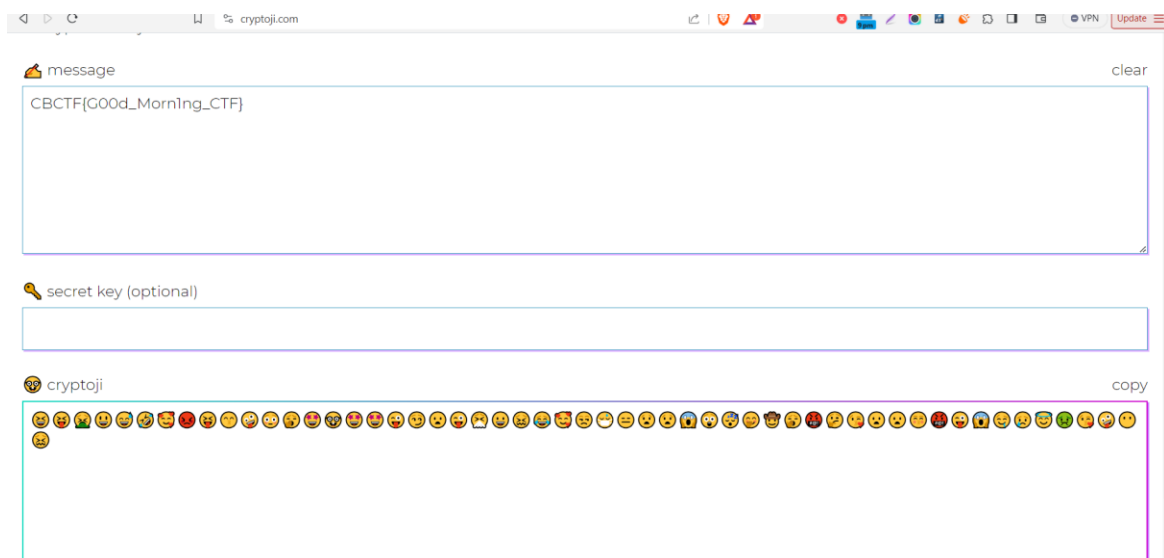
The Flag is : CBCTF{Bangladesh-Tigers}

Note: In the problem of Caesar cipher and Base64 is so easy.

For the Caesar cipher go to <https://www.dcode.fr/caesar-cipher> and for the Base64 go to <https://www.base64decode.org/dec/> and paste the cipher. And for the vigenere cipher go to <https://www.dcode.fr/vigenere-cipher>

Emojiji:

For the Emojiji Cipher go to <https://cryptoji.com/> then paste emoji to the cryptojii



Change and Change2:

Both are similar

To be successful in life one has to change many things, one has to value time, one has to go to *mos-que d *for worship, one has to change the code of life by timing.

Flag Format:CBCTF{Flag flag}

=====

This is mainly morse code. Go to <https://cryptii.com/> and find the morse code and here is a trick

The screenshot displays the Morse code application interface with three main panels:

- Left Panel (Text Input):** Labeled "VIEW" and "Text". It contains a grid of dots and dashes representing the Morse code for "monetary gain".
- Central Panel (Controls):** Labeled "ENCODE" and "DECODE". It has a "Morse code" dropdown menu. Below it are three sections:
 - VARIANT:** A dropdown menu currently set to "English".
 - REPRESENTATION:** A dropdown menu currently set to "Timing".
 - SIGNAL ON / SIGNAL OFF:** Two buttons. "SIGNAL ON" is represented by a dash "-" and "SIGNAL OFF" by a dot ".".
- Right Panel (Text Output):** Labeled "VIEW" and "Text". It displays the decoded text "monetary gain".

We see that morse code start from = and closed by . that means = is signal on and . means signal off. So the flag is : CBCTF{Monetary gain}

For the change 2:

$\dots\dots\dots = \dots\dots\dots$

Start by . and closed by =

The diagram illustrates the layout of the Morse code application, showing three panels:

- Left Panel:** Contains a 'VIEW' button and a 'Text' input field with a plus icon.
- Middle Panel:** Contains a 'Morse code' dropdown menu. The dropdown is open, showing options for 'VARIANT' (English), 'REPRESENTATION' (Timing), and 'SIGNAL ON' (.) and 'SIGNAL OFF' (=). Below the dropdown, it shows '→ Decoded 11 chars'.
- Right Panel:** Contains a 'VIEW' button and a 'Text' output field displaying the decoded text 'cyberbangla'.

The flag is CBCTF{cyberbangla}

Multiple Encryption:

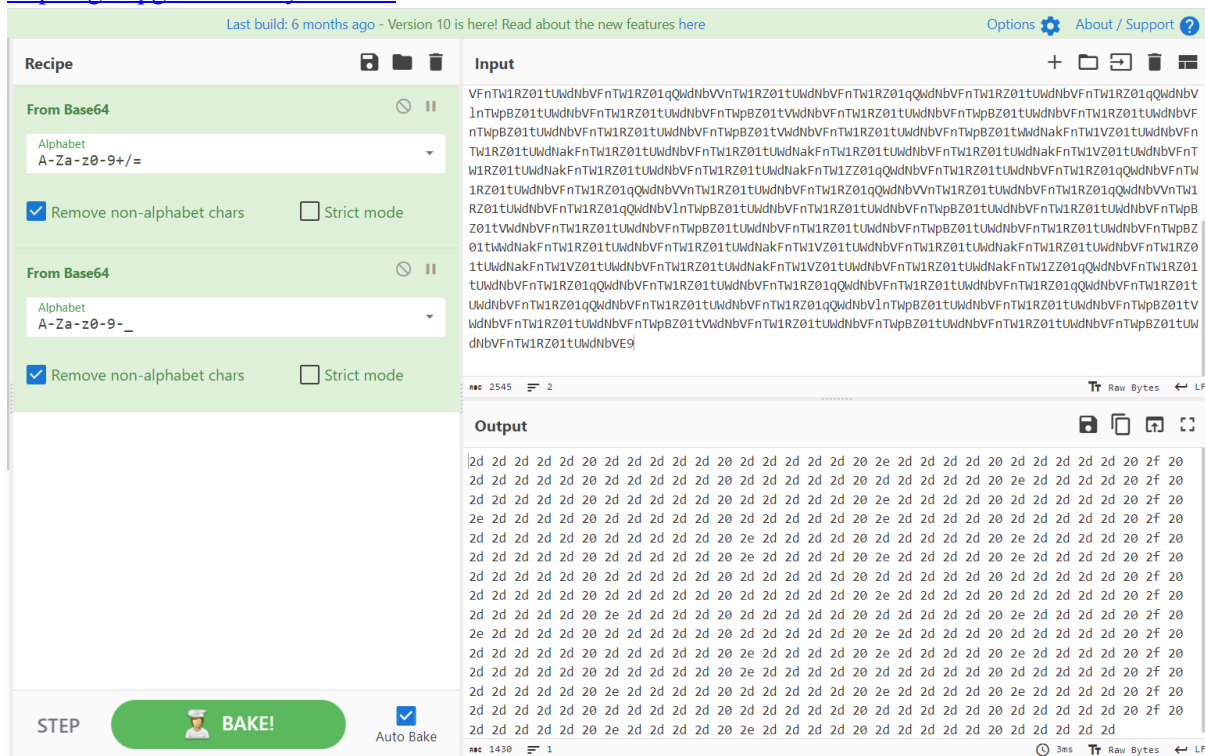
Keep trying and I hope you succeed

Flag Format:CBCTF{Flag_Flag_Flag}



This is the problems and tell the multiple encryption that means here we decrypt a lots of type so carry on

1st go to <https://www.dcode.fr/cipher-identifier> analyze it this is base64 then we go to <https://gchq.github.io/CyberChef>



It decoded automatically and then go copy this and go to analyzer we analyzed and it is ascii cipher and we go to <https://www.dcode.fr/ascii-code> and paste it

BACON CIPHER
Cryptography › Substitution Cipher › Bacon Cipher

BACONIAN CIPHER DECODER

★ BACON CIPHERTEXT (?)
00010 00001 00010 10010 00101 00111 00000 00010 01001 10010
00111 00100 01011 00000 01100

▶ DECRYPT BACON

See also: [Uppercase](#) [Lowercase](#) – [Delastelle](#) [Trifid Cipher](#)

BACON ENCODER

★ BACON PLAIN TEXT (?)
dCode Bacon

And we find the flag.

Hash 1:

Do you Love Cyber Bangla Academy.

e97cc468f2d92e303a5663382d203409894646df

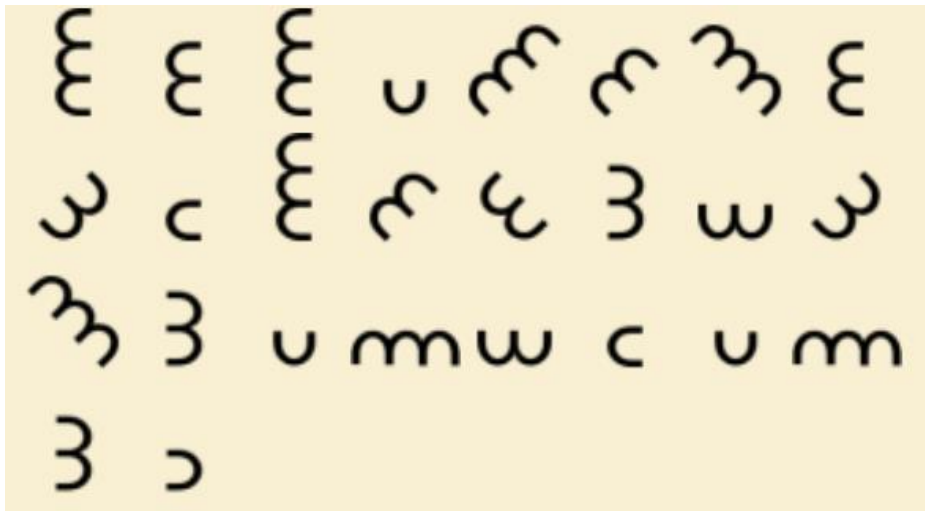
Flag Format:CBCTF{Flag}

When we find the any hash first we idenfy any identifier and mainly this is Sha1 .then I brute force a few of wordlist and I generated some wordlist also by I could not find any password. Then I think that I search cyber bangla and I see that there is 4 facebook page and I gather the page username . and then I successfully crack it.

The flag is : CBCTF{cyb3rbangla} and the page is <https://www.facebook.com/cyb3rbangla>

This is one kind of not only crypto problem but also Osint problem and this is one kind of Interesting problem also.

Dora Dora:



This is Dora Dora Cipher : <https://www.dcode.fr/dorabella-cipher> go to this link and

DORABELLA CIPHER
Cryptography › Substitution Cipher › Symbol Substitution
› Dorabella Cipher

DORABELLA DECODER

★ ELGAR'S SYMBOLS (CLICK TO ADD)

C	E	E	U	M	M	U	M	M
U	M	M	C	U	U	U	U	U
U	W	W	C	U	U			

★ DORABELLA CIPHERTEXT

E	E	E	U	M	M	M	E	U
C	E	M	U	C	W	U	M	C
U	M	W	C	U	M	C	U	

► DECRYPT

We find the flag.

Nawab:

Who is the last nawab of the Bengal
and



attach this photo. This is OSINT Problem. I was tried by
best and I could not find any solution and after giving a hint. First I search google

gle

Who is the last nawab of the Bengal

× | 🔍

🔍 All 🖼️ Images 📰 News 📺 Videos 📍 Maps ⋮ More Tools

About 1,500,000 results (0.33 seconds)

Mirza Muhammad Siraj-ud-Daulah was born in Murshidabad, Bengal, in 1733 to an aristocratic Mughal family.



 Pandaw Cruises
<https://www.pandaw.com> › [blog](#) › [cruise](#) › [siraj-ud-daula...](#) ⋮

[Siraj-ud-Daulah - The Last Independent Nawab of Bengal](#)

And go to <https://futureboy.us/stegano/decinput.html>

Steganographic Decoder

This form decodes the payload that was hidden in a JPEG image or a WAV or AU audio file using the [encoder form](#). When you submit, you will be asked to save the resulting payload and what the payload is and its file type...

Select a JPEG, WAV, or AU file to decode:

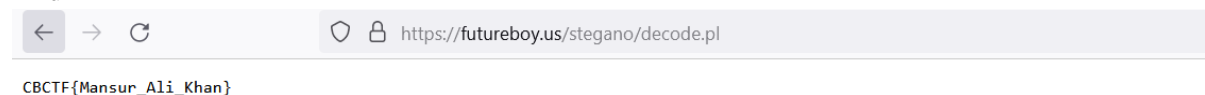
Bengal.jpeg

Password (may be blank):

- ☒ View raw output as MIME-type
☐ Guess the payload
☐ Prompt to save (you must guess the file type yourself.)

This password is : Mirza Muhammad Siraj ud-Daulah

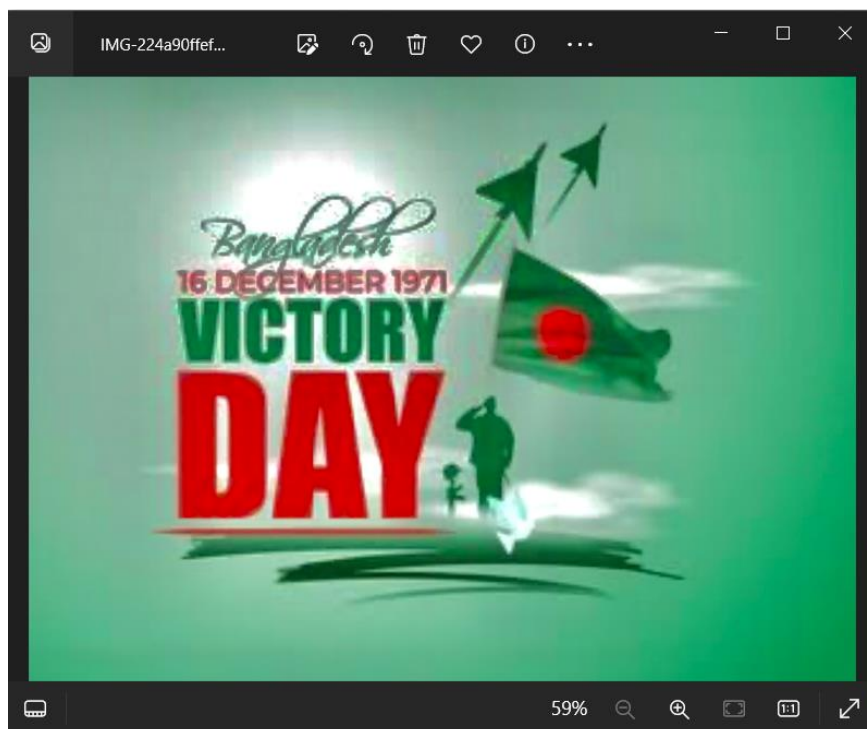
And



we find the flag.

Victory:

Find Cyber Bangla Family



Give this and also hint that find in facebook

I took lots of time on this and after I think that I search in facebook.

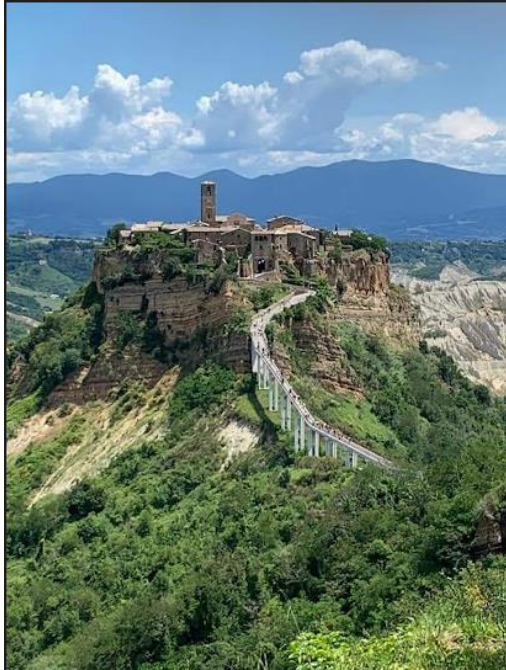


We find the flag

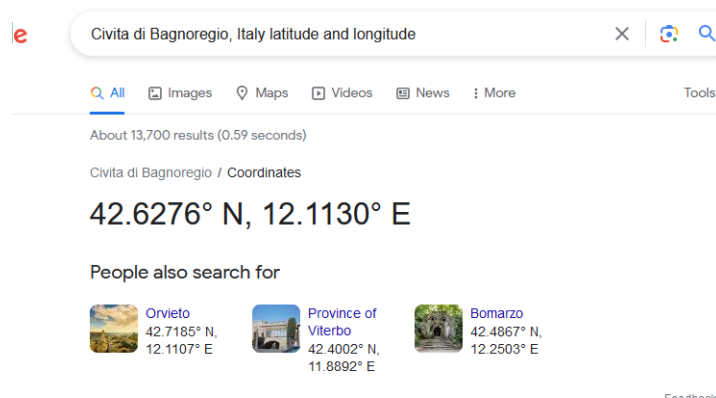
Locate me:

Somebody has been kidnapped and we managed to get a file of where he is. Your mission is to find where he is, flag is lat + long rounded to 2 decimal places!

Example - `cbctf{1.00_1.54}`



First go to <https://www.google.com/imghp?hl=en> then upload the image this place name is **Civita di Bagnoregio, Italy**,



So the flag is: `cbctf{42.63_12.11}`

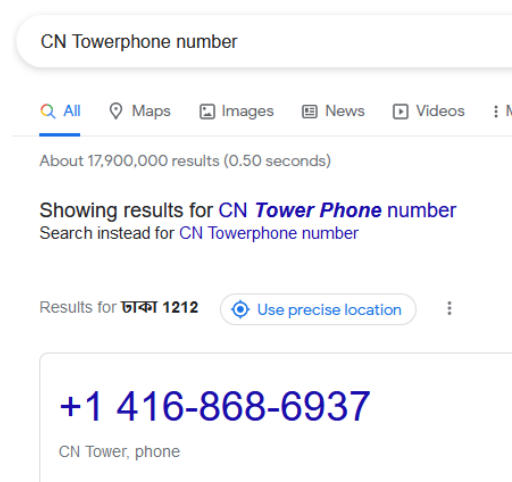
Callme:

Find the phone number of this image. and wrap it into cbctf.

Example: (555) 555-1234 → cbctf{+15555551234}



First go to <https://www.google.com/imghp?hl=en> then upload the image this place name is CN Tower



the flag is : cbctf{+14168686937}

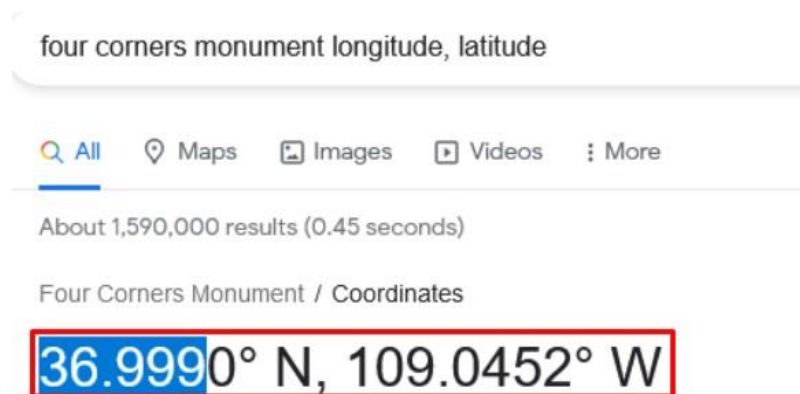
Find me OUT:

Find Me Out

Flag Format: CBCTF{xx.xxx,-yyy.yyy}



First go to <https://www.google.com/imghp?hl=en> then upload the image this place name is Four Corners Monument



The Flag is : CBCTF{36.999,-109.045}

Edit:

I don't feel like reading today, so I'm just turning the pages of the book.

```
(kali@kali) ~/Desktop
$ strings "pic Edit.jpg" | grep CBCTF
" id="W5M0MpCehiHzreSzNTczkc9d"?> <x:xmpmeta xmlns:x="adobe:ns:meta/" x:xmptk="Adobe XMP Core 5.5-c021 79.154911, 2013/10/29-11:47:16" ><rdf:RDF xml
t="" xmlns:xmpMM="http://ns.adobe.com/xap/1.0/mm/" xmlns:stEvt="http://ns.adobe.com/xap/1.0/sType/ResourceEvent#" xmlns:dc="http://purl.org/dc/elements/1.1/
be.com/xap/1.0/" xmpMM:DocumentID="286839C252A44FC08988A3FDC7392AC4" xmpMM:InstanceID="xmp.iid:9c430ef6-1581-dd4e-b1e4-75a567fe77b9" xmpMM:OriginalDocumentI
="3" xmp:CreateDate="2023-09-11T01:23:52+06:00" xmp:ModifyDate="2023-09-11T01:30:07+06:00" xmp:MetadataDate="2023-09-11T01:30:07+06:00"> <xmpMM:History> <rd
b-b5ca-607a9737ad25" stEvt:when="2023-09-11T01:30:07+06:00" stEvt:softwareAgent="Adobe Photoshop CC (Windows)" stEvt:changed="/" /> <rdf:li stEvt:action="sav
"2023-09-11T01:30:07+06:00" stEvt:softwareAgent="Adobe Photoshop CC (Windows)" stEvt:changed="/" /> </rdf:Seq> </xmpMM:History> <photoshop:TextLayers> <rdf:B
rText="CBCTF{who_is_the_best_picture}" /> </rdf:Bag> </photoshop:TextLayers> </rdf:Description> </rdf:RDF> </x:xmpmeta>
```

The Flag is CBCTF{ who_is_the_best_picture}

Crack the File:

All must be perceived, nothing shall escape notice

Flag Format:CBCTF{flag_flag_flag}



I use steghide command

```
(kali@kali)-[~/Desktop]
$ steghide extract -sf cryptii.jpeg
Enter passphrase:
wrote extracted data to "trifid.txt".
```

And I find a txt file name : “trifid.txt”

```
(kali@kali)-[~/Desktop]
$ cat trifid.txt
asaqxeuerthfaps
```

Then I go to <https://www.dcode.fr/trifid-delastelle-cipher>



Search for a tool

★ SEARCH A TOOL ON DCODE BY KEYWORDS:
e.g. type 'caesar'

★ BROWSE THE FULL DCODE TOOLS' LIST

Results

#1	#2	#3
ABC	JKL	STU
DEF	MNO	VWX
GHI	PQR	YZ_

CBCTFILOVEISLAM_

DELASTELLE TRIFID CIPHER

Cryptography > Poly-Alphabetic Cipher > Delastelle Trifid Cipher

TRIFID DECODER

★ DELASTELLE TRIFID CIPHERTEXT (?)
asaqxeuerthfaps

★ GROUP SIZE 5

☐ USE A KEYWORD TO GENERATE GRIDS DELASTELLE

☒ USE THE FOLLOWING GRIDS

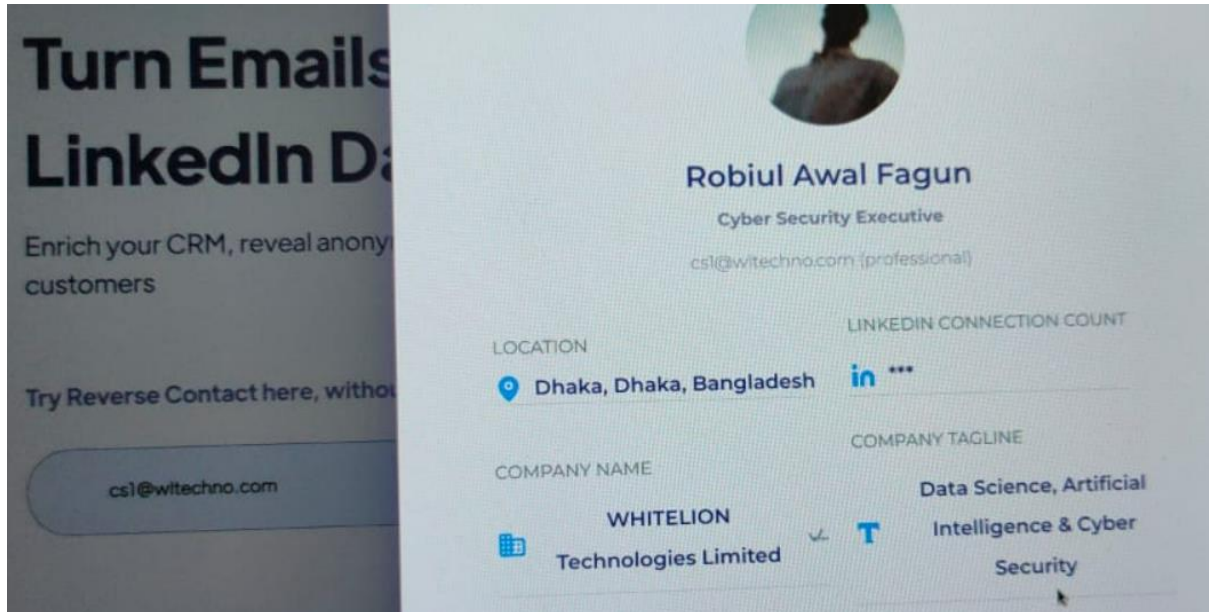
	1	2	3
1	A	B	C

Find the flag and the flag is : CBCTF{I_LOVE_ISLAM}

Who Am I:

There give a email : csi@wltechno.com and find the owner of the email.

Go to <https://epieos.com/> or <https://www.reversecontact.com/>



The Flag is : CBCTF{Robiul Aqal Fagun}

That's all from Today. Hope You understand all the solves.

Prepared By : [Zaber Mahmud](#)