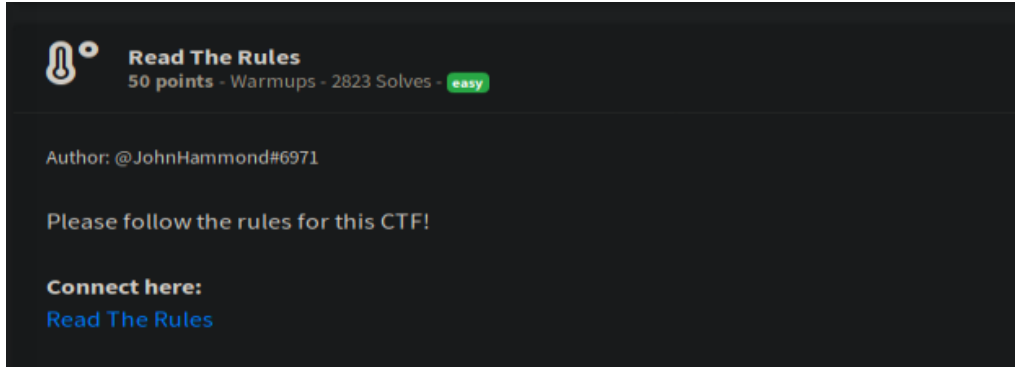


## **NahamCon 2021 CTF**

Friday, 12 March 12:00 PT — Sunday, 14 March 12:00 PT  
48-hour Competition

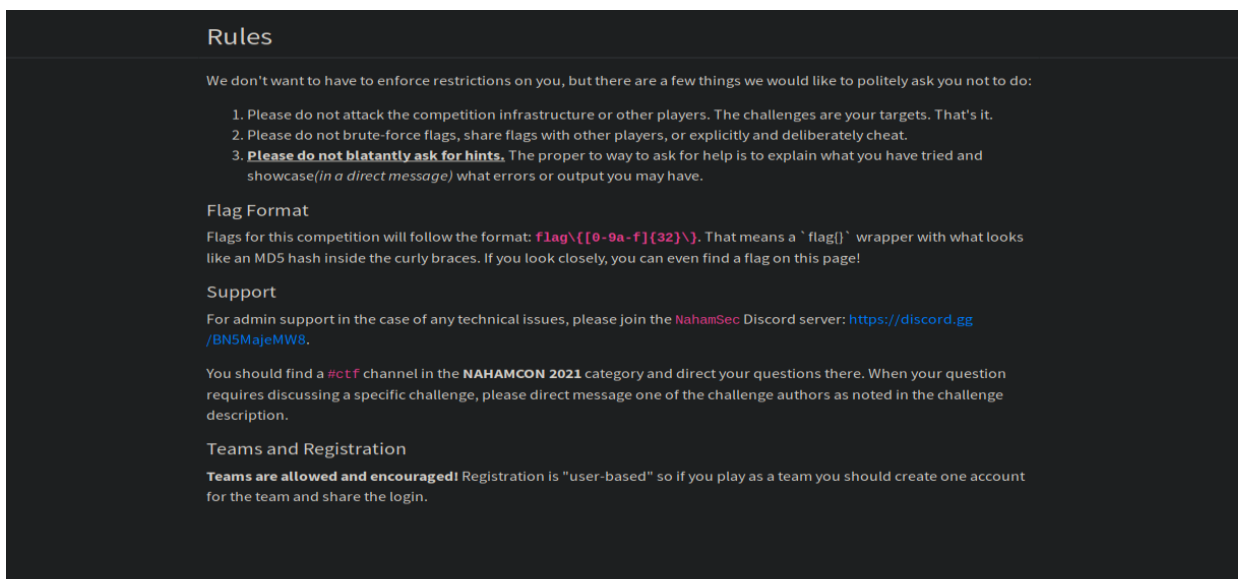
# Warmup challenges

## Read the rules



## Steps to get the flag:


1. Navigate by the link.
2. View page source.



```
255 <p>
256 <b>Teams are allowed and encouraged!</b> Registration is "user-based" so if you play as a team you should create one
257 </p>
258 </div>
259 </section>
260 <!-- Thank you for reading the rules! Your flag is: -->
261 <!-- flag{90bc54705794a62015369fd8e86e557b} -->
262
263
264 </div>
265 <!-- /.content-wrapper -->
266
267 <!-- Main Footer -->
268 <footer class="main-footer">
269 <!-- To the right -->
270 <div class="text-center">
271 <strong>Hosted by <a href="https://ctf4hire.com">CTF4Hire</a></strong>
272 </div>
273 <!-- Default to the left -->
274 </footer>
275 </div>
```

Flag: flag{90bc54705794a62015369fd8e86e557b}


## Shoelaces


**Shoelaces**  
50 points - Warmups - 2170 Solves - easy

Author: @JohnHammond#6971

Do you double-knot your shoelaces? You gotta keep'em tied!

**Download the file below.**

**Attachments:**  shoelaces.jpg

 flag{not\_really\_tho}


Steps to get the flag:

1. Download attachment.
2. `strings shoelaces.jpg`

```
kali@kali: ~/Downloads
File Actions Edit View Help
kali@kali: ~/Downloads kali@kali: ~/Downloads
z^3p
0s/*1
zp'w
63aw
10ZE
0_ [d]
JJ6F
q{`n
h-[:
/gMv
L(\
/qj}
@^2V
m5rMo
@EzF
/DHpk
r@{1[z:\
2bpy
6666L
>t|e
c]AY
flag{137288e960a3ae9b148e8a7db16a69b0}
JFIF
$'$ 8
bI6]
@e3
$6*Y
c*Q3,
5WZk
```


Flag: flag{137288e960a3ae9b148e8a7db16a69b0}

Pollex




**Pollex**  
50 points - Warmups - 1110 Solves - easy

Author: @JohnHammond#6971



Download the file below.

Some people seem to have trouble reading this, understandably so. Sorry. The flag ends in these characters: 8fe36bc00}

Attachments:  pollex


Steps to get the flag:

- 1. Download attachment.
- 2. View file metadata via [online exif tool](#).

### Jeffrey's Image Metadata Viewer

URL:

OR...  No file selected.

☐ I'm not a robot 

Jeffrey Friedl's  
Some of my c  
· My Blog ·  
· Pretty Phot


This tool remains available so long as I can keep it free and the bandwidth doesn't cost me too much. A gift of thanks is always appreciated, but certainly not required.  or perhaps an Amazon gift ce:  
jfried@yahoo.com), or perhaps send me some good karma by doing something kind for a stranger.

If you have questions about this tool, please [see the FAQ](#).

#### Basic Image Information


Target file: pollex.jpg

Caption:	Man giving thumb up on dark black background.
Artist:	Stevanovic Igor
Credit:	igor - Fotolia
Copyright:	(C)2013 Stevanovic Igor, all rights reserved <div>Warning: the sequence "(C)" is not a valid substitute for an actual "©" symbol; it has no legal standing as a copyright notice. Consider using the word "Copyright" instead.</div>
File:	424 x 283 JPEG 37,918 bytes (37 kilobytes)
Color Encoding:	<div><b>WARNING:</b> Color space tagged as sRGB, without an embedded color profile. Windows and Mac browsers and apps treat the colors randomly.</div> <div>Images for the web are most widely viewable when in the sRGB color space and with an embedded color profile. See my <a href="#">Introduction to Digital-Image Color Spaces</a> for more information.</div>



Extracted full-resolution 26-kilobyte "EXIF:ThumbnailImage" JPG  
Displayed here at 100%

flag{65c34a1ec121a286600ddd48fe36bc00}




Main JPG image displayed here at 100%

Here's the full data:

Flag: flag{65c34a1ec121a286600ddd48fe36bc00}


esab64


**esab64**  
50 points - Warmups - 1793 Solves - easy

Author: @JohnHammond#6971

Was it a car or a cat I saw?

**Download the file below.**

**Attachments:**  esab64

 flag{not\_really\_tho}


Steps to get the flag:

1. Download attachment.
2. Do the following transformations with the content of downloaded attachment.

```
>> 'mxWYntnZiVjMxEjY0kD0hZWZ4cjYxIGZwQmY2ATMxEzNlFjNl13X'.split('').reverse().join('')
<- "X31lNjFlNzExMTA2YmQwZGIxYjc4ZWZhODk0YjExMjVlZntnYWxm"
>> atob('mxWYntnZiVjMxEjY0kD0hZWZ4cjYxIGZwQmY2ATMxEzNlFjNl13X'.split('').reverse().join(''))
<- "_je61e711106bd0db1b78efa894b1125bf{galf}"
>> atob('mxWYntnZiVjMxEjY0kD0hZWZ4cjYxIGZwQmY2ATMxEzNlFjNl13X'.split('').reverse().join('')).split('').reverse().join('')
<- "flag{fb5211b498afe87b1bd0db601117e16e}"
```

Flag: flag{fb5211b498afe87b1bd0db601117e16e}


Eighth Circle


**Eighth Circle**  
50 points - Warmups - 806 Solves - easy

Author: @JohnHammond#6971

Abandon all hope, ye who enter here...

**Download the file below.**

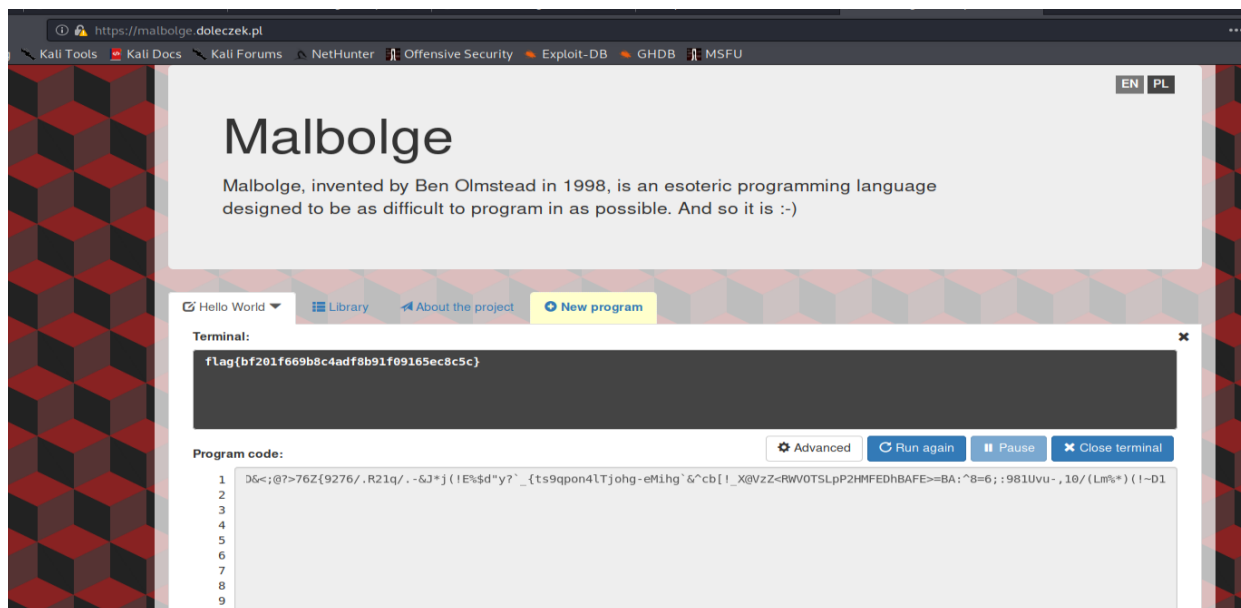
**Attachments:**  eighth\_circle

 flag{not\_really\_tho}

Steps to get the flag:

1. Download attachment.
2. Copy and run code in attachment through Malbolge interpreter.

```
kali@kali:~/Downloads$ file eighth_circle
eighth_circle: ASCII text, with very long lines, with no line terminators
kali@kali:~/Downloads$ cat eighth_circle
D'`r#LK\[\{\{EUUTet,r+qo'nmlk5ihVB0S!>w<<)9xqYonsrqj0hPLkdcB(`Hd]#a`_A@VzZY;Qu8NMRQJn1MLKJGg*)ED=a$:?:>7[:;981w/4-,P
*p(L,%*)"!~)CB"!~}_uzs9wpotsrqj0QmfkdcbA`H^]\[Z-^W?[TSRWpt7MLKo2NMFj-IHG@dD6<;@?>76Z{9276/.R21q/--6J*j(!E%d"y?`_{
ts9qpon4LTjohg-eMihg`6^cb[!_X@VzZ<RWVOTSLpP2HMFEDhBAFE>=BA:^8-6;:981Uvu-,10/(Lm%*)(!~D1kali@kali:~/Downloads$ biwa
kali@kali:~/Downloads$
kali@kali:~/Downloads$ binwalk -e eighth_circle
Program code:
DECIMAL      HEXADECEIMAL  DESCRIPTION
-----
kali@kali:~/Downloads$
```



Flag: flag{bf201f669b8c4adf8b91f09165ec8c5c}