

## Write Up



**FR13NDS**

## #Misc

### Test Flag (10pts)

Challenge

8 Solves

×

Test Flag  
10

submit HackFest{test\_flag}

Flag

Submit

hanya copy paste flag : `HackFest{test_flag}`

### QR Code (364pts)

---

Challenge

12 Solves

×

QR Code  
364

apakah kamu tahu qr code?

↓ Flag.png

Flag

Submit

---

Diberikan sebuah berkas, dengan nama Flag.png



kemudian saya decode di <https://zxing.org/w/decode>

Decode Succeeded	
Raw text	dW5weHNyZmd7YTBfb2JxbF9zMGV0cmdfZGVfcGJxcn0=
Raw bytes	42 c6 45 73 57 76 54 84 e7 95 a6 d6 43 75 95 44 26 66 23 24 a7 86 24 63 97 a4 44 75 63 06 36 d6 46 65 a4 75 66 66 34 74 a7 86 36 e3 03 d0 ec 11 ec 11 ec 11 ec 11 ec
Barcode format	QR_CODE
Parsed Result Type	TEXT
Parsed Result	dW5weHNyZmd7YTBfb2JxbF9zMGV0cmdfZGVfcGJxcn0=

dan muncul hasil enkripsi base64

dW5weHNyZmd7YTBfb2JxbF9zMGV0cmdfZGVfcGJxcn0=

kemudian saya decode lagi dengan python dan muncul enkripsi cipher

```
File Edit View Search Terminal Help
root@Hexa:~# python
Python 2.7.3 (default, Mar 14 2014, 11:57:14)
[GCC 4.7.2] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>>
>>> "dW5weHNyZmd7YTBfb2JxbF9zMGV0cmdfZGVfcGJxcn0=".decode('base64')
'unpxsrfg{a0_obql_s0etrg_de_pbqr}'
>>>
```

unpxsrfg{a0\_obql\_s0etrg\_de\_pbqr}

kemudian saya decode lagi secara online di <http://rumkin.com/tools/cipher/caesar.php>

This is a standard Caesarian Shift cipher encoder, also known as a rot-N encoder and is also a style of substitution cipher. This way, you can add one, two, or any number up to 25 to your string and see how it changes. This is an offshoot of the [rot13](#) encoder on this web site. To perform this shift by hand, you could just write the alphabet on two strips of paper. Line them up so the top strip's A matches the bottom strip's D (or something) and then you can encode. A simple test to see how this works would be to [insert the alphabet](#) into the encoder and then change the values of N.

This sort of cipher can also be known as a wheel cipher. This is where an inner wheel has the alphabet around the outside, and that is placed upon an outer wheel, also with the alphabet going around it. You can rotate the wheels so that ABC lines up with ABC, or ABC may line up with QRS.

To encode something, just pick an N and type in your message. To decode something, subtract the encryption N from 26 and it should be decoded for you.

N:

This is your encoded or decoded text:

Flag : HackFest{n0\_body\_f0rget\_qr\_code}

## Petak Umpet (496pts)

Challenge


3 Solves

×

# Petak Umpet

## 496

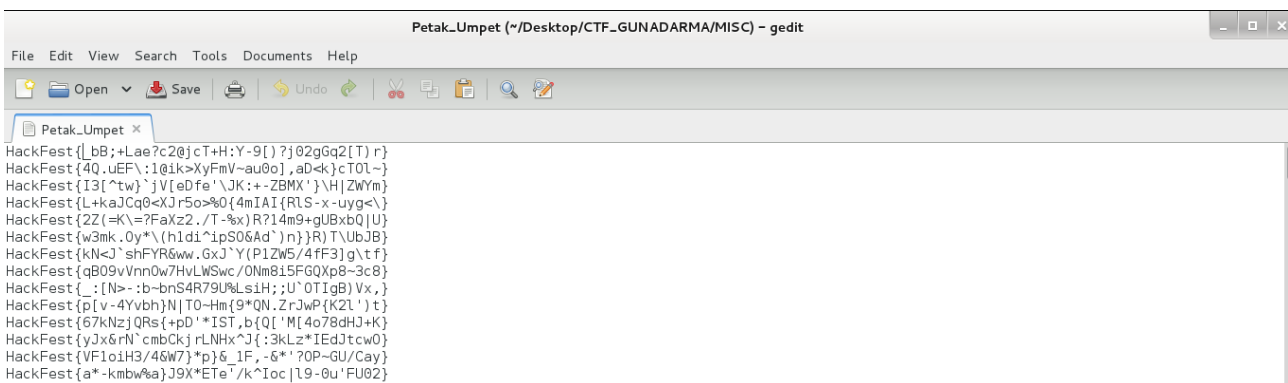
Ciri-ciri flag yang asli terdiri dari uppercase, lowercase, digit dan karakter underscore

 Petak\_Umpet

Flag

Submit

diberikan sebuah berkas, dengan nama Petak\_Umpet



kemudian saya buka terminal dan memfilter dengan perintah grep seperti pada screnshoot di bawah ini

```
root@Hexa: ~/Desktop/CTF_GUNADARMA/MISC
File Edit View Search Terminal Help
root@Hexa:~/Desktop/CTF_GUNADARMA/MISC# grep -vn '[@|;|+|:|-|.|?|`|~|/|\|(|)|*|&|%|^|=]' Petak_Umpet
3239:HackFest{{C1I8EoL_gthn}n4ZN2qCoMm}QFdmnZCffh}
5473:HackFest{7EdI>8uXo}h8P2lhr0qf'MJ9j0EJAhbTbGx}
66034:HackFest{Q>B>CzLF_oixI{p-AsvT1}}MXerajfMpYjc}
67667:HackFest{WrM7NGVRj8eZ3bhbt5seRpoab3p6GlzS_Hf}
68117:HackFest{{>l8hPc}iRXBPiAZ}NZEIYZXRconzxXw7Ed}
68938:HackFest{tidaaak semudah itu fergusoooo00000}
69798:HackFest{V2QFA}GJ<'kUs}WX<rfI3y6V5C9YL9CWGJR}
73759:HackFest{kL9xK{J_oIxEsK,5F_6Ys9AFWuB,3zIzH7s}
76246:HackFest{-_23o>ZiI<0,DDexj_l3wbKiarzs}j4_JAm}
76495:HackFest{SGgI[S76jU<4j-lygddS[Vn8-1pVL,y{Nay}
81385:HackFest{IUuQNDn0l>60EXt6EnY2w}F'4uaj<E3au}g}
82237:HackFest{PI{ }nU2n_FTxRu}_C5U3j0>'>zFKIxcNC9M}
86382:HackFest{u94Jd0HYtfe44aEvkXJttHh83LELI3gs{Pr}
92135:HackFest{OTxra3<s6t}PHhIkyNa2a>dLP6XPf0sk9F8}
98402:HackFest{e5B75XJE{[cpICNw7gqhbGsUGQLnfGoL1g8}
root@Hexa:~/Desktop/CTF_GUNADARMA/MISC#
```

dan flag muncul pada baris ke 68938

```
66034:HackFest{Q>B>CzLF_oixI{p-AsvT1}}MXerajfMpYjc}
67667:HackFest{WrM7NGVRj8eZ3bhbt5seRpoab3p6GlzS_Hf}
68117:HackFest{{>l8hPc}iRXBPiAZ}NZEIYZXRconzxXw7Ed}
68938:HackFest{tidaaak semudah itu fergusoooo00000}
69798:HackFest{V2QFA}GJ<'kUs}WX<rfI3y6V5C9YL9CWGJR}
73759:HackFest{kL9xK{J_oIxEsK,5F_6Ys9AFWuB,3zIzH7s}
76246:HackFest{-_23o>ZiI<0,DDexj_l3wbKiarzs}j4_JAm}
76495:HackFest{SGgI[S76jU<4j-lygddS[Vn8-1pVL,y{Nay}
81385:HackFest{IUuQNDn0l>60EXt6EnY2w}F'4uaj<E3au}g}
82237:HackFest{PI{ }nU2n_FTxRu}_C5U3j0>'>zFKIxcNC9M}
86382:HackFest{u94Jd0HYtfe44aEvkXJttHh83LELI3gs{Pr}
92135:HackFest{OTxra3<s6t}PHhIkyNa2a>dLP6XPf0sk9F8}
98402:HackFest{e5B75XJE{[cpICNw7gqhbGsUGQLnfGoL1g8}
root@Hexa:~/Desktop/CTF_GUNADARMA/MISC#
```

Flag : HackFest{tidaaak\_smudah\_itu\_fergusoooo00000}

# #Forensic

## Tanda Tangan (445pts)

Challenge

8 Solves

X

# Tanda Tangan 445

Bisakah kamu bantu untuk membuka gambar ini

↓ flag.jpeg

Flag

Submit

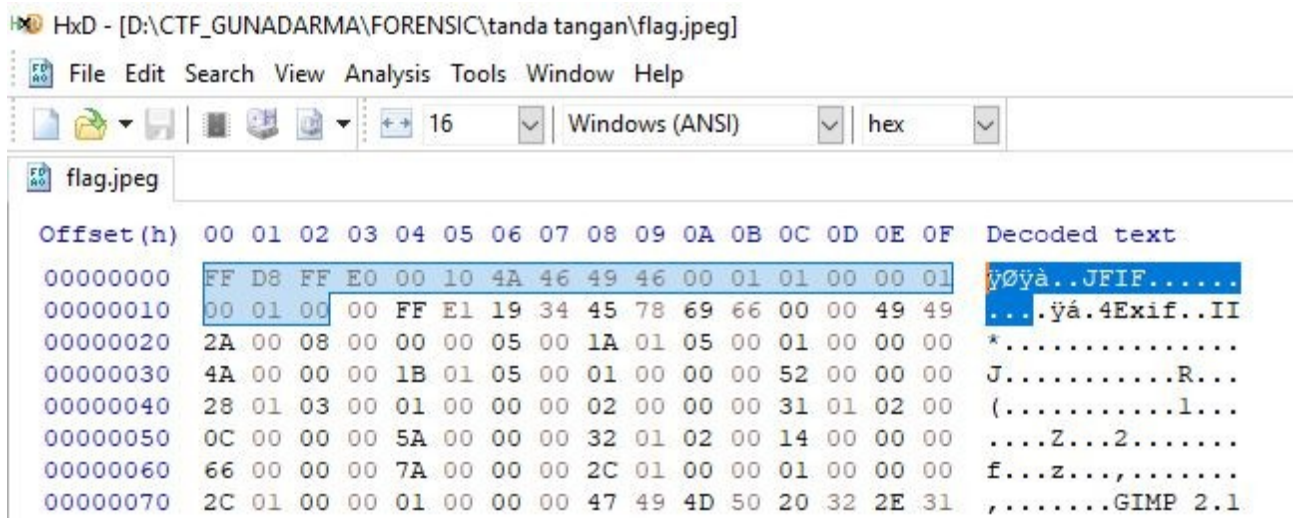
Diberikan sebuah berkas, dengan nama flag.jpg karna nama soal tanda tangan, kemudian saya coba cek dengan HexEditor. Dan benar saja header file salah

HxD - [D:\flag.jpeg]

File Edit Search View Analysis Tools Window Help

<

saya rubah menjadi



kemudian saya save dan mendapatkan flag



Flag : HackFest{F1L3\_S1gn4tur3}



## Kitty's BF (496pts)

Challenge

3 Solves

×

### Kitty's BF

#### 496

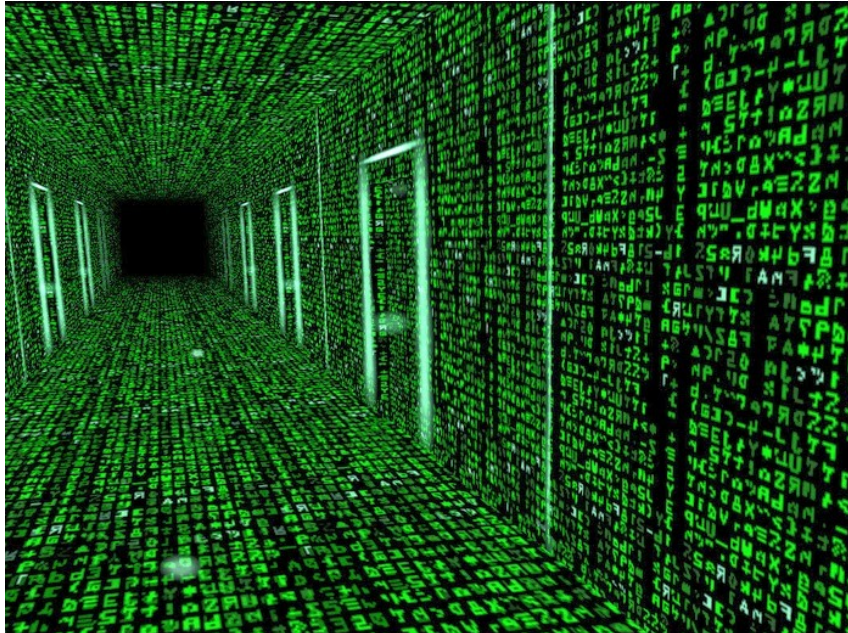
Seseorang mendapatkan pesan dari Kitty tapi dia bingung bagaimana cara untuk membaca pesan tersebut bisakah kalian membantu orang tersebut ?

 Kucing.jpg

Flag

Submit

Diberikan sebuah berkas, dengan nama Kucing.jpg

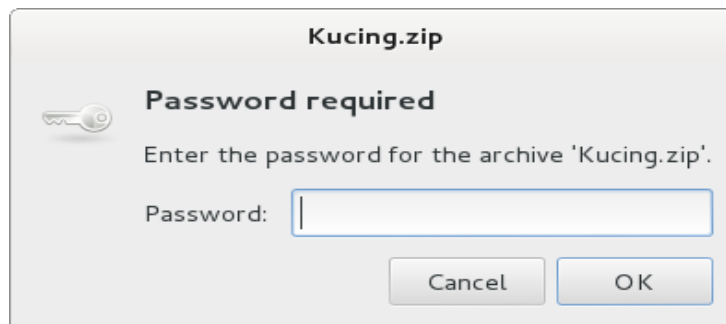




kemudian saya analisis dengan perintah strings dan grep

```
File Edit View Search Terminal Help
root@Hexa:~/Desktop/CTF_GUNADARMA/FORENSIC/kitty# strings Kucing.jpg | grep -i "
flag"
realflag.txt
realflag.txt
root@Hexa:~/Desktop/CTF_GUNADARMA/FORENSIC/kitty#
```

dan benar saja muncul file txt di dalam file jpg tersebut, kemudian saya rubah format dari file Kucing.jpg menjadi Kucing.zip kemudian extract



tapi tidak semudah itu :v file masih terpassword, niat mau saya crack make fcrackzip tapi tidak jadi :D saya coba cek dengan exiftool

```
File Edit View Search Terminal Help
root@Hexa:~/Desktop/CTF_GUNADARMA/FORENSIC/kitty# exiftool Kucing.zip
ExifTool Version Number      : 8.60
File Name                    : Kucing.zip
Directory                    : .
File Size                    : 220 kB
File Modification Date/Time  : 2018:12:24 06:43:31-05:00
File Permissions             : rw-----
File Type                    : JPEG
MIME Type                    : image/jpeg
JFIF Version                 : 1.01
Resolution Unit              : None
X Resolution                  : 1
Y Resolution                  : 1
Exif Byte Order              : Little-endian (Intel, II)
Software                     : Google
Copyright                    : TjB0X0YxYUdfQnVUX200wV9uMzNk
Exif Version                  : 0220
Exif Image Width             : 700
Exif Image Height            : 522
Image Width                  : 700
Image Height                  : 522
Encoding Process              : Baseline DCT, Huffman coding
Bits Per Sample               : 8
Color Components              : 3
Y Cb Cr Sub Sampling         : YCbCr4:2:0 (2 2)
Image Size                   : 700x522
root@Hexa:~/Desktop/CTF_GUNADARMA/FORENSIC/kitty#
```

dan benar saja muncul enkripsi base64, kemudian saya decode

```
root@Hexa:~/Desktop/CTF_GUNADARMA/FORENSIC/kitty# python
Python 2.7.3 (default, Mar 14 2014, 11:57:14)
[GCC 4.7.2] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>>
>>> "TjB0X0YxYUdfQnVUX200wV9uMzNk".decode('base64')
'N0t_FlaG_BuT_m4Y_n33d'
>>>
```

password untuk membuka zip N0t\_F1aG\_BuT\_m4Y\_n33d

[illegible]

kemudian saya perhatikan di situ ada kata kunci yang menurut saya clue **“I know about your love for esoteric programming languages so I put the info you’re looking for below”** kemudian saya coba cari tau apa itu esoteric language dan mendapatkan clue lagi yaitu Brainf\*\*k

kemudian saya decode <https://www.dcode.fr/brainfuck-language>

```
Flag : HackFest{Brain_games_fun_huh}
```

## #Web

### Inspect Me! (280pts)

Challenge

15 Solves

×

Inspect Me!

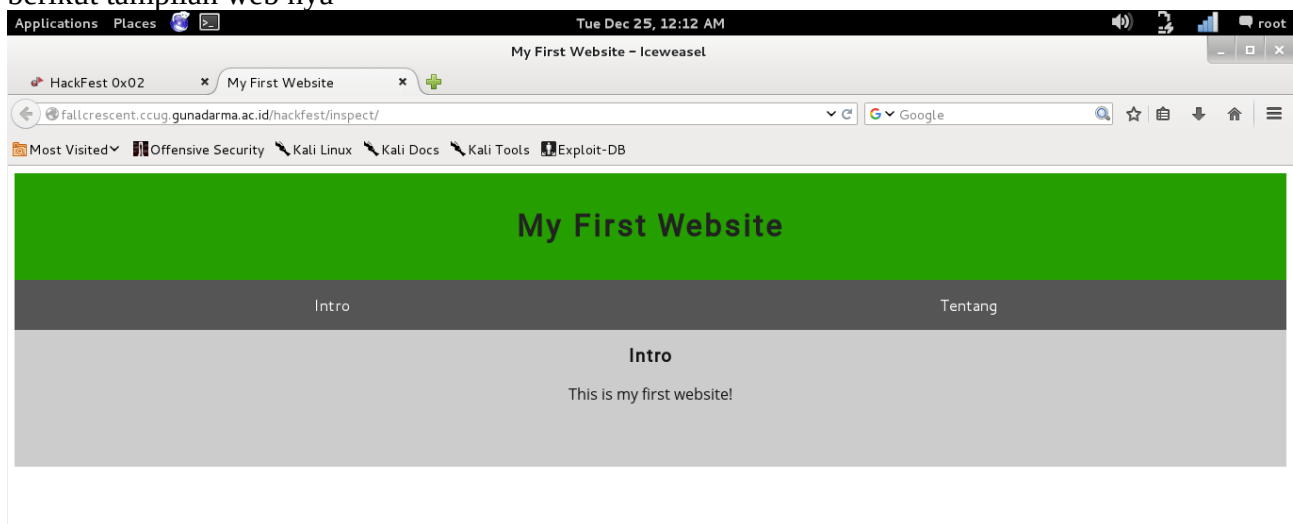
280

<http://fallcrescent.ccug.gunadarma.ac.id/hackfest/inspect/>

Flag

Submit

di berikan link <http://fallcrescent.ccug.gunadarma.ac.id/hackfest/inspect/>  
berikut tampilan web nya



kemudian saya inspect element

```
<p></p>  
<!-- Saya telah belajar HTML! ini adalah bagian dari flag 1/3 flag: HackFest{ur_4_real_1nspe -->  
</div>  
</div>
```

dan mendapatkan flag pertama yaitu HackFest{ur\_4\_real\_1nspe

kemudian saya cek lagi ada yang menarik yaitu mycss.css dan myjs.js

```
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans|Roboto"></link>  
<link href="mycss.css" type="text/css" rel="stylesheet"></link>  
<script src="myjs.js" type="application/javascript"></script>  
</head>
```

kemudian saya tambahkan <http://fallcrescent.ccug.gunadarma.ac.id/hackfest/inspect/mycss.css>

The screenshot shows a web browser window with the address bar displaying `http://fallcr...ct/mycss.css`. The page content is a CSS file with the following code:

```
body {
  font-family: Roboto;
}

h1 {
  color: #222;
}

p {
  font-family: "Open Sans";
}

.tablink {
  background-color: #555;
  color: white;
  float: left;
  border: none;
  outline: none;
  cursor: pointer;
  padding: 14px 16px;
  font-size: 17px;
  width: 50%;
}

.tablink:hover {
  background-color: #777;
}

.tabcontent {
  color: #111;
  display: none;
  padding: 50px;
  text-align: center;
}

#tabintro { background-color: #ccc; }
#tababout { background-color: #ccc; }
```

Below the CSS code, there is a comment in Indonesian: `/* Saya telah mempelajari css ini adalah bagian dari flag 2/3 flag: ct0r_q4dget */`. This comment is highlighted in blue. Below it, the CSS code for the intro and about tabs is repeated:

```
#tabintro { background-color: #ccc; }
#tababout { background-color: #ccc; }
```

At the bottom, the same comment is repeated: `/* Saya telah mempelajari css ini adalah bagian dari flag 2/3 flag: ct0r_q4dget */`.

Flag : **HackFest{ur\_4\_real\_1nspect0r\_g4dget}**

Secara garis besar, saya mengucapkan terima kasih kepada tim FR13NDS yang telah membantu saya menyelesaikan soal dan membuat WriteUp

**FR13NDS**