

WRITE UP

# ITTTSec CaptureTheFlag



Presented By:

Mr. Gl1tchNu11

# Table of Contents

Bonus .....	4
1. What Is CTF?.....	4
• Soal .....	4
• How To Solve.....	5
• Flag .....	5
Web Exploitation.....	6
1. Hidden Comment .....	6
• Soal .....	6
• How To Solve.....	6
• Flag .....	7
2. Kill The Boss V1.....	7
• Soal .....	7
• How To Solve.....	7
• Flag .....	9
3. Kill The Boss V2.....	9
• Soal .....	9
• How To Solve.....	10
• Flag .....	11
4. Kill The Boss V3.....	11
• Soal .....	11
• How To Solve.....	11
• Flag .....	16
5. Unsecured Web .....	16
• Soal .....	16

• How To Solve.....	16
• Flag .....	18
Cryptography .....	19
1. P[R]ime [S]hould be [A] very long number .....	19
• Soal .....	19
• How To Solve.....	19
• Flag .....	21
PWN.....	22
1. Math Master .....	22
• Soal .....	22
• How To Solve.....	22
• Flag .....	27
Mobile.....	28
1. ITTSec Mobile .....	28
• Soal .....	28
• How To Solve.....	28
• Flag .....	28

## Bonus

### 1. What Is CTF?

- Soal

Challenge

×

## What is CTF?

### 5

Selamat datang di ITTSec CTF!

CTF adalah singkatan dari Capture The Flag, yaitu kompetisi keamanan siber di mana peserta mencoba menemukan flag (bendera digital) yang tersembunyi dalam berbagai tantangan seperti reverse engineering, web exploitation, cryptography, dan lainnya.

Tujuan dari CTF adalah belajar sambil bermain, mengasah kemampuan teknis sekaligus berpikir kreatif dan logis.

Format flag selalu seperti ini: ITTSec{flag\_kamu\_disini}

Untuk memulai, masukkan flag berikut ke input sebagai latihan:

ITTSec{hello\_ctf\_world}

Good luck and have fun!

Flag

Submit

- **How To Solve**

In that challenge, a description was provided explaining what CTF (Capture The Flag) is, and at the end of the text, the flag was revealed.

- **Flag**

ITTSec{hello\_ctf\_world}





# Web Exploitation

## 1. Hidden Comment

- Soal



Challenge

### Hidden Comment

7

Yang ga kelihatan belum tentu ga ada

<https://web1.ittsec.net/>

Flag

Submit

- How To Solve

In this challenge, participants were presented with a website featuring a very minimalistic design essentially a simplified landing page for ITTS University.



There was nothing particularly interesting on the surface but once I checked the page source, boom! I found the flag. Bingo!

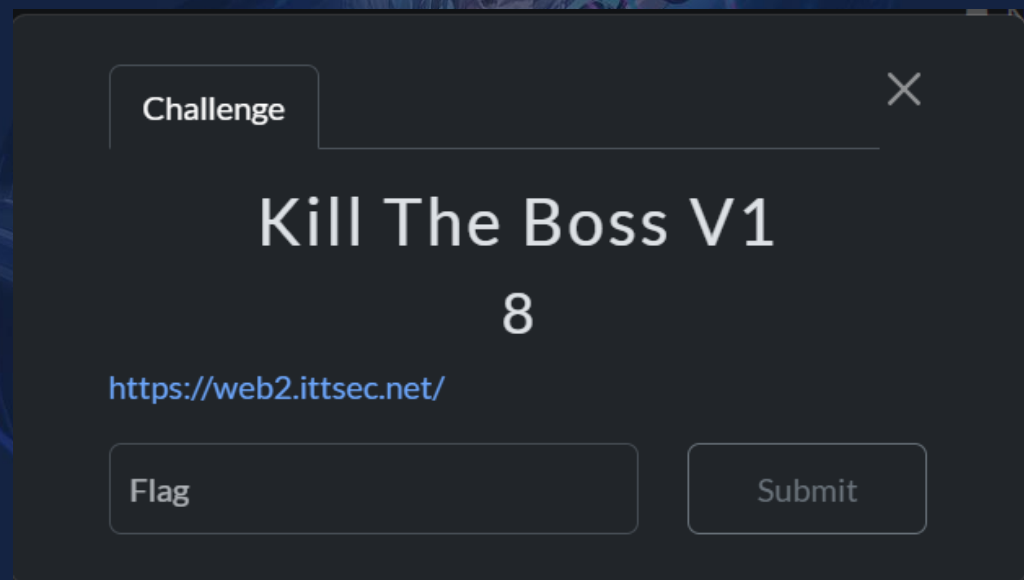
```
13 </head>
14 <body>
15   <div class="header">
16     <h1>Selamat Datang di ITTS</h1>
17     <p>Institut Teknologi Tangerang Selatan</p>
18   </div>
19   <div class="content">
20     <h2>Landing Page Kampus ITTS</h2>
21     <p>ITTS adalah kampus teknologi terbaik di Tangerang Selatan. Temukan inovasi, kolaborasi, dan masa depanmu di sini!</p>
22   </div>
23   <div class="footer">
24     &copy; 2025 ITTS. All rights reserved.
25   </div>
26   <!-- FLAG: ITTSec{d0nt_m155_th3_50urc3_C0d3_R3v13w} -->
27 </body>
28 </html>
```

- **Flag**

ITTSec{d0nt\_m155\_th3\_50urc3\_C0d3\_R3v13w}

## 2. Kill The Boss V1

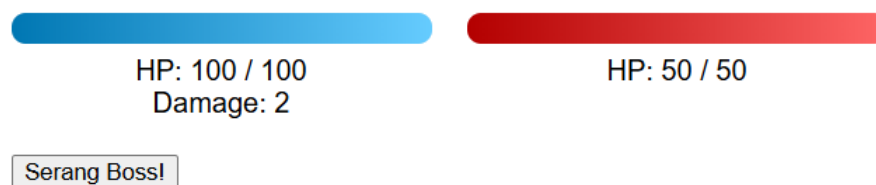
- **Soal**



- **How To Solve**

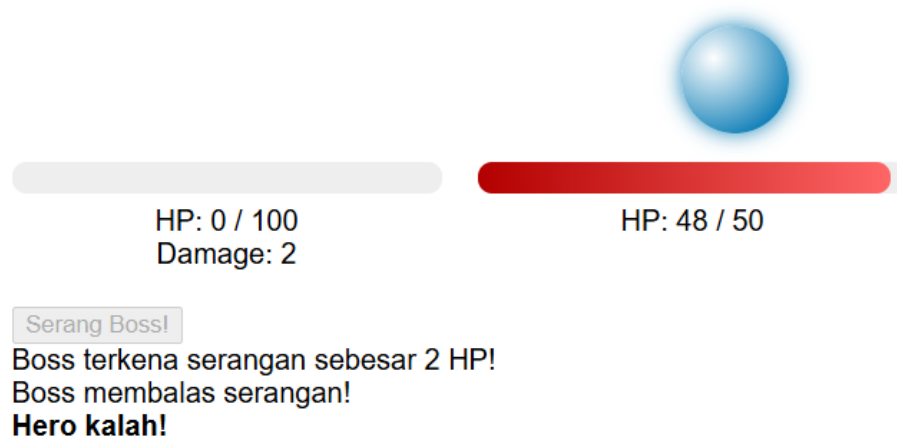
In that challenge, we were given a website containing a simple game where the player had only 2 damage points and was instructed to attack the boss.

## Hero vs Boss




And when I clicked the button labeled “Attack the Boss!”, I was instantly defeated. No surprise there the boss had a full 50/50 HP, and with only 2 damage per hit, it was impossible to win through normal means.

## Hero vs Boss

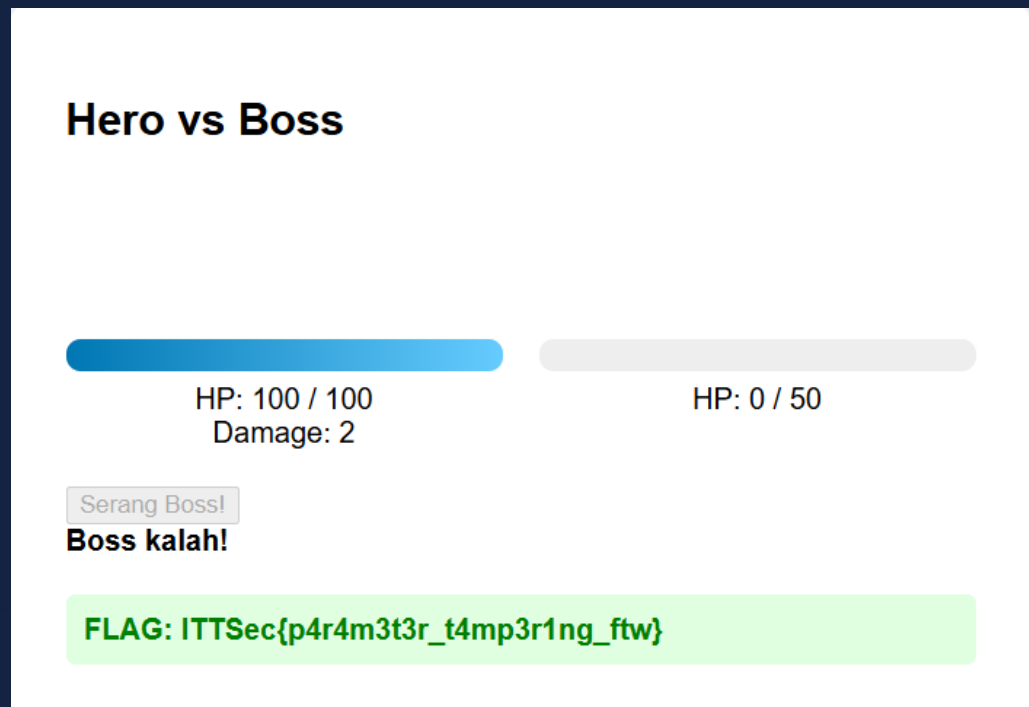


Then I spotted something interesting the website’s URL included a query parameter: ?damage=2. That got me thinking what if I changed it to ?damage=9999

 web2.ittsec.net/?damage=2



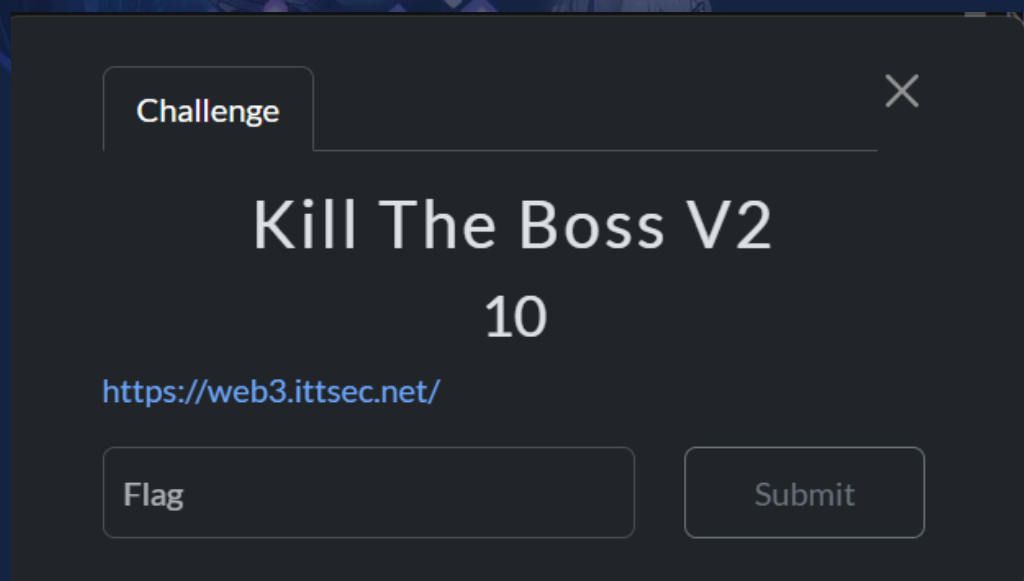
And it worked! After changing the value to 999, I defeated the boss instantly and bingo, the flag was mine.



- Flag  
ITTSec{p4r4m3t3r\_t4mp3r1ng\_ftw}

### 3. Kill The Boss V2

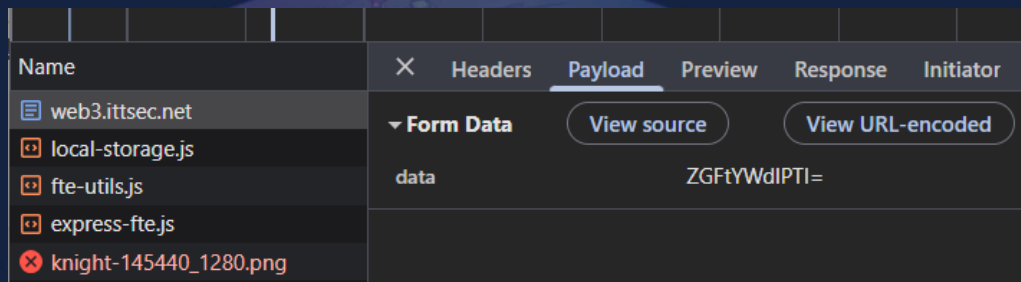
- Soal



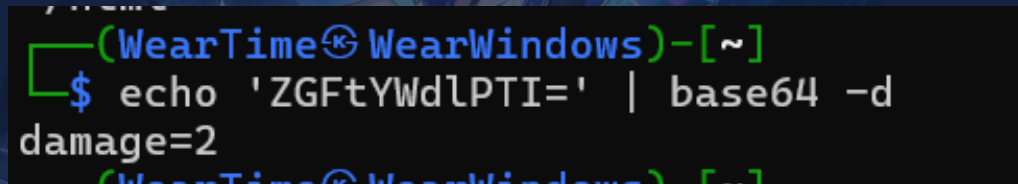
- **How To Solve**

In the Kill The Boss V2 challenge, we were given a website with the same appearance as Kill The Boss V1, so I won't bother showing the image again lol..

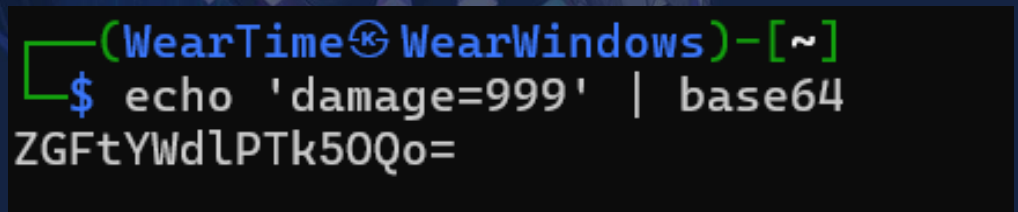
Okay, back to the topic since there was no query like in V1, I started checking the Network tab and found something interesting: it was sending a request parameter in Base64.



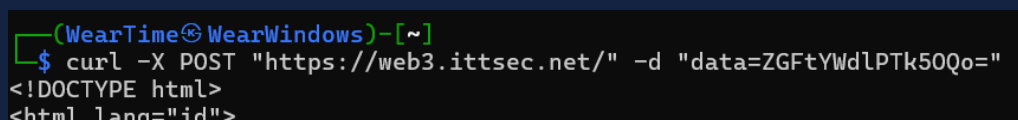
After decoding the Base64, I got the text “damage=2”.



That gave me a clear idea of where this was going, so I proceeded to encode the text “damage=999” into Base64.



Since this was part of the body data that needed to be replaced, the options were to use Curl or Burpsuite. But I was too lazy to open Burp ;v so I just used Curl instead.



And after checking Boom! Bingo! I got the flag

```
:/form>  
:div id="result"><b>Boss kalah!</b></div>  
  <div id="flag" class="flag show">FLAG: ITTSec{p4r4m3t3r_t4mp3r1ng_v14_p0st_b4s364_ftw}</div>  
:pt>
```

- **Flag**

ITTSec{p4r4m3t3r\_t4mp3r1ng\_v14\_p0st\_b4s364\_ftw}

## 4. Kill The Boss V3

- **Soal**



Challenge

Kill The Boss V3

10

<https://web4.ittsec.net/>

Flag

Submit

- **How To Solve**

In this challenge, it was similar to the other *Kill The Boss* challenges, but here the network part was encrypted like Base64 and there was another parameter sent called hmac, which contained hex data.

Name	×	Headers	Payload	Preview	Response	Initiator	Timing	>>
web4.ittsec.net								
crypto-utils.js								
local-storage.js								
fte-utils.js								
express-fte.js								
express-utils.js								
knight-145440_1280.png								
		Form Data						
		View source						
		View URL-encoded						
		encrypted_data	KGIZHHbmrV0ZijyaUF3OmQ==					
		hmac	8a0e1fa3ee2c4b9dc2741f9b49d97850d79d8a6a7e5d33a091ee3b7101600648					

However, when I decoded the Base64, it was messy so it wasn't regular Base64.

```
(WearTime⊕WearWindows)-[~]  
$ echo KGIZHHbmrV0ZijvaUF30mQ== | base64 -d  
(bv]⋄;⋄P]I
```

After checking the source code, I found something interesting: it was encrypted using a function called *encryptData*.

```
function animateDot(fromId, toId, dmg, isBoss) {  
  var from = document.getElementById(fromId).getBoundingClientRect();  
  var to = document.getElementById(toId).getBoundingClientRect();  
  var arena = document.querySelector('.arena').getBoundingClientRect();  
  var dot = document.createElement('div');  
  dot.className = 'dot' + (isBoss ? ' dot-boss' : '');  
  var size = Math.max(18, Math.min(60, Math.abs(dmg)));  
  dot.style.width = size + 'px';  
  dot.style.height = size + 'px';  
  dot.style.left = (from.left + from.width/2 - arena.left - size/2) + 'px';  
  dot.style.top = (from.top + from.height/2 - arena.top - size/2) + 'px';  
  document.querySelector('.arena').appendChild(dot);  
  setTimeout(function() {  
    dot.style.transition = 'all 0.6s cubic-bezier(.68,-0.55,.27,1.55)';  
    dot.style.left = (to.left + to.width/2 - arena.left - size/2) + 'px';  
    dot.style.top = (to.top + to.height/2 - arena.top - size/2) + 'px';  
  }, 10);  
  setTimeout(function() {  
    dot.remove();  
  }, 700);  
}  
  
async function submitAttack() {  
  let damageValue = 2; // Default damage  
  const params = new URLSearchParams();  
  params.append('damage', damageValue);  
  const plainTextData = params.toString();  
  
  const encryptedPayload = await encryptData(plainTextData);  
  if (encryptedPayload) {  
    const hmacSignature = await generateHmac(encryptedPayload);  
    if (hmacSignature) {  
      document.getElementById('encrypted_data').value = encryptedPayload;  
      document.getElementById('hmac_data').value = hmacSignature;  
      document.getElementById('attack-form').submit();  
    } else {  
      alert("Gagal menghasilkan HMAC. Serangan dibatalkan.");  
    }  
  } else {  
    alert("Gagal mengenkripsi data. Serangan dibatalkan.");  
  }  
}  
  
if (window.history.replaceState) {  
  window.history.replaceState(null, null, window.location.href);  
}
```

As I traced it further, I saw a script at the top pointing to a JS file.

```

const getConstant = (idx) => {
  const c = [
    [77, 121, 83, 117, 112, 101, 114, 83, 101, 99, 114, 101, 116, 75, 51, 121],
    [73, 110, 105, 116, 105, 97, 108, 86, 101, 99, 116, 111, 114, 49, 50, 51]
  ];
  return String.fromCharCode(...c[idx]);
};

const AES_KEY = getConstant(0);
const AES_IV = getConstant(1);

async function encryptData(data) {
  try {
    const encoder = new TextEncoder();
    const keyData = encoder.encode(AES_KEY);
    const ivData = encoder.encode(AES_IV);

    const cryptoKey = await window.crypto.subtle.importKey(
      'raw',
      keyData,
      { name: 'AES-CBC', length: 128 },
      false,
      ['encrypt']
    );

    const encryptedBuffer = await window.crypto.subtle.encrypt(
      { name: 'AES-CBC', iv: ivData },
      cryptoKey,
      encoder.encode(data)
    );
    return btoa(String.fromCharCode.apply(null, new Uint8Array(encryptedBuffer)));
  } catch (error) {
    console.error("Encryption error:", error);
    return null;
  }
}

async function generateHmac(data) {
  try {
    const encoder = new TextEncoder();
    const keyData = encoder.encode(AES_KEY);

    const cryptoKey = await window.crypto.subtle.importKey(
      'raw',
      keyData,
      { name: 'HMAC', hash: 'SHA-256' },
      false,
      ['sign']
    );

    const signatureBuffer = await window.crypto.subtle.sign(
      'HMAC',
      cryptoKey,
      encoder.encode(data)
    );
    return Array.from(new Uint8Array(signatureBuffer)).map(b => b.toString(16).padStart(2, '0')).join('');
  } catch (error) {
    console.error("HMAC generation error:", error);
    return null;
  }
}

```

Inside, there were two functions explaining encryption using AES-CBC and SHA-256.

But I needed the key and IV, and after reading more, I found two variables called `getConstant`. When I checked `getConstant`, it contained a character array.

So I wrote a script to extract the array contents and decode them.

```
arr_key = [77,121,83,117,112,101,114,83,101,99,114,101,116,75,51,121]
arr_iv = [73,110,105,116,105,97,108,86,101,99,116,111,114,49,50,51]

key = ".join(chr(x) for x in arr_key)
iv = ".join(chr(x) for x in arr_iv)

print("AES_KEY =", key)
print("AES_IV =", iv)
```

And it resulted in

*AES\_KEY = MySuperSecretK3y*

*AES\_IV = InitialVector123*

Now that we know the key and IV, it was time to write code to encrypt what we wanted. After coding, here's the result.

```
import base64, hmac, hashlib

from Crypto.Cipher import AES

AES_KEY = b"MySuperSecretK3y"
AES_IV = b"InitialVector123"

def pkcs7_pad(data, block_size=16):
```



```

pad_len = block_size - (len(data) % block_size)

return data + bytes([pad_len])*pad_len

def encrypt_damage(text):

    plaintext = text.encode()

    padded = pkcs7_pad(plaintext, 16)

    cipher = AES.new(AES_KEY, AES.MODE_CBC, AES_IV)

    ct = cipher.encrypt(padded)

    ct_b64 = base64.b64encode(ct).decode()

    sig = hmac.new(AES_KEY, ct_b64.encode(), hashlib.sha256).hexdigest()

    return ct_b64, sig

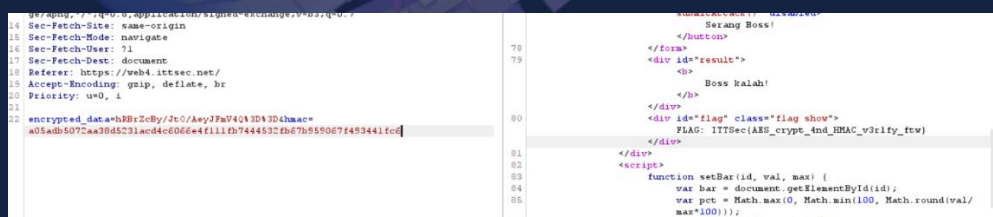
ct, sig = encrypt_damage("damage=50")

print("encrypted_data=", ct)

print("hmac=", sig)

```

Then I inserted the output into BurpSuite to replace the body parameter.



```

14 GET http://10.10.10.10:8080/application/signed-exchange?b=52q0...
15 Sec-Fetch-Site: same-origin
16 Sec-Fetch-Mode: navigate
17 Sec-Fetch-User: ?1
18 Sec-Fetch-Dest: document
19 Referer: https://web4.ittsec.net/
20 Accept-Encoding: gzip, deflate, br
21 Priority: u=0, i
22 encrypted_data=hBz2cBy/3c0/AeyJFaV4Q53D43D4hmac=
a05adb5072aa38d5231ac84c606e4f111fb7444532fbd7b559d67f459441fcd
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

```

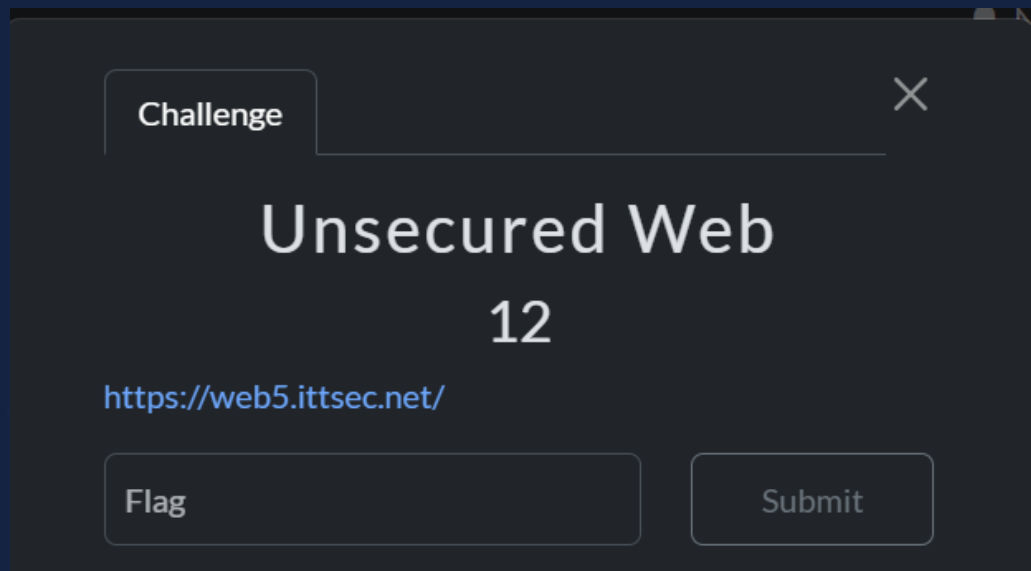
And bingo I got the Flag

- **Flag**

ITTSec{AES\_crypt\_4nd\_HMAC\_v3r1fy\_ftw}

## 5. Unsecured Web

- **Soal**

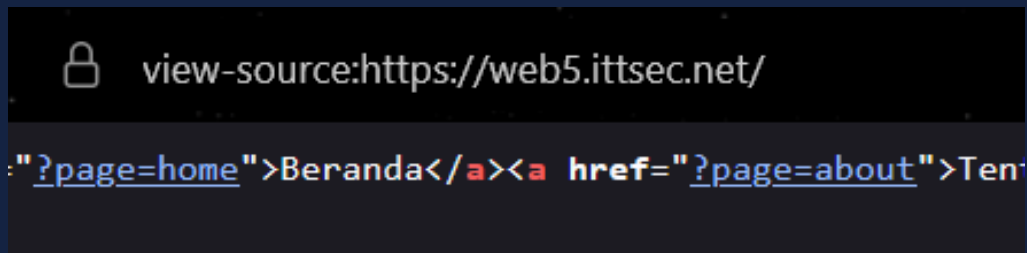


- **How To Solve**

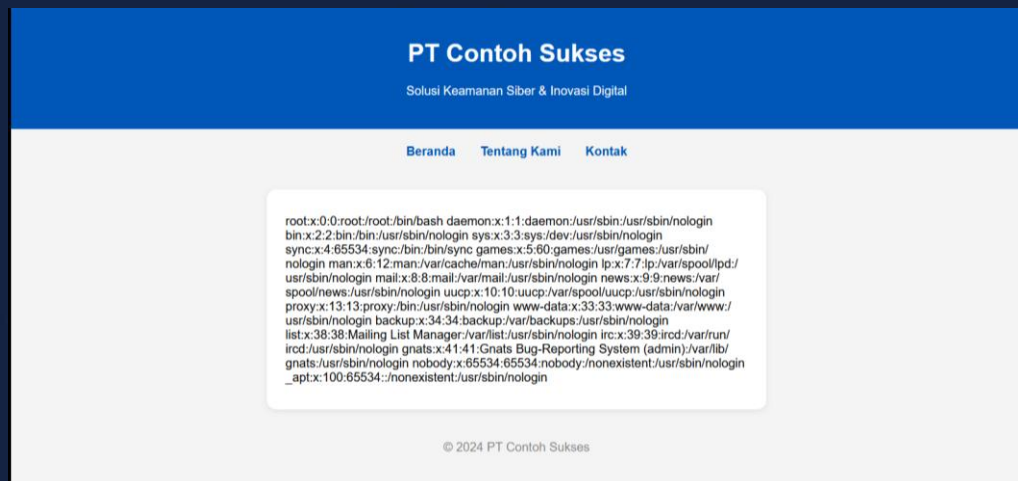
In this challenge, we were given a company landing page website. The navbar had three items: “Home,” “About Us,” and “Box.” At first glance, nothing seemed particularly interesting.



But after inspecting the source code, I noticed something suspicious—code that resembled a Local File Inclusion (LFI) vulnerability.



I tried accessing `/etc/passwd` to test it, since flags are sometimes placed there, but didn't find the flag. Still, I was right it was LFI.



I kept searching for valid paths but didn't find anything. Then I tried `flag.php`, and the page turned completely white without any error. Was it loaded but the code stored inside PHP?



So I checked using a PHP filter. The payload I used was:

`?page=php://filter/read=convert.base64-encode/resource=flag.php`

I got the base64 I wanted, decoded it



And Bingo

```
@ WearTime at 23:31:36  
> echo "PD9waHAKJGZsYWcgPSAnSVRUU2Vje19jbDRzczFjX0xmaV99Jzsk" | base64 -d  
<?php  
$flag = 'ITTSec{_cl4ss1c_Lfi_}';
```

- **Flag**

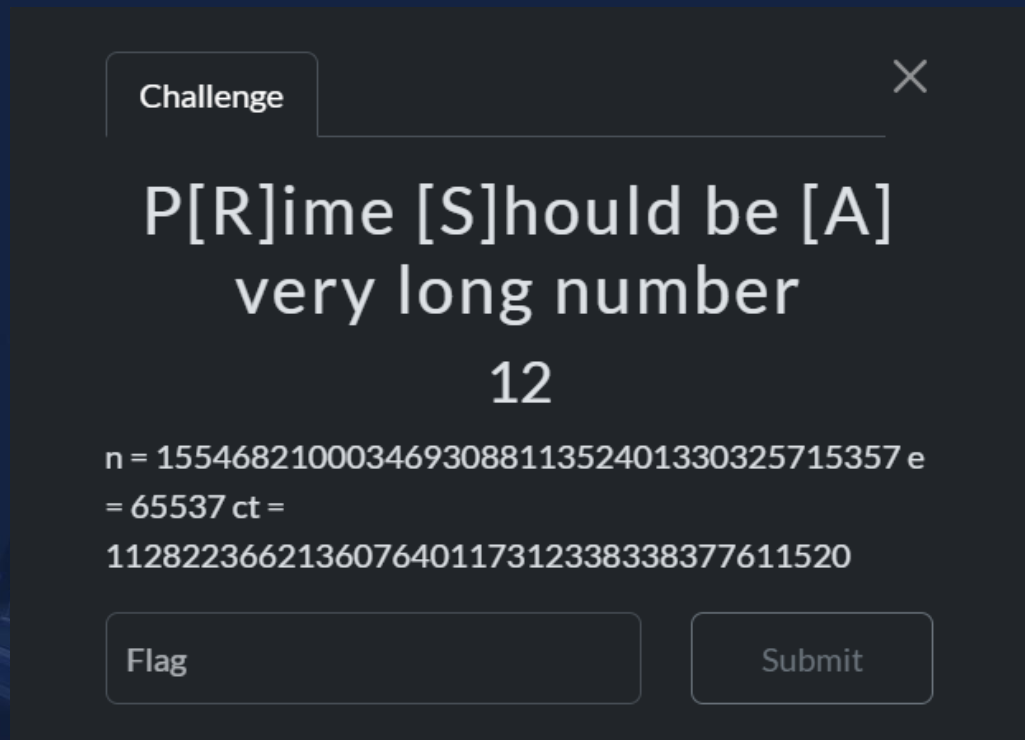
ITTSec{\_cl4ss1c\_Lfi\_}



# Cryptography

## 1. P[R]ime [S]hould be [A] very long number

- Soal



Challenge

P[R]ime [S]hould be [A]  
very long number

12

n = 155468210003469308811352401330325715357 e  
= 65537 ct =  
112822366213607640117312338338377611520

Flag Submit

- How To Solve

In that challenge, we were given values for  $n$ ,  $e$ , and  $ct$ , and from the title it was clear that this was an RSA challenge. So I started scripting using Python first, I checked whether  $n$  was a prime number.

```
import sympy

n = 155468210003469308811352401330325715357

print(sympy.isprime(n))
```

It returned False, so it was obvious that  $n$  wasn't prime, and we could proceed to find  $p$  and  $q$ .

To find  $p$  and  $q$ , we factorized  $n$

```
import sympy

n = 155468210003469308811352401330325715357

factors = sympy.factorint(n)

print(factors)
```

The output we got was

$P = 10498219919727986359$

$Q = 14809006783265934923$

Next, we calculated the private exponent  $d$

```
import math, sympy

n = 155468210003469308811352401330325715357

e = 65537

ct = 112822366213607640117312338338377611520
```



```
p = 10498219919727986359
```

```
q = 14809006783265934923
```

```
phi = (p-1)*(q-1)
```

```
d = pow(e, -1, phi)
```

```
pt = pow(ct, d, n)
```

After completing the calculation, we were able to decode and retrieve the flag

```
pt_hex = format(pt, 'x')
```

```
print(bytes.fromhex(pt_hex).decode())
```

And Bingo! We got the flag.

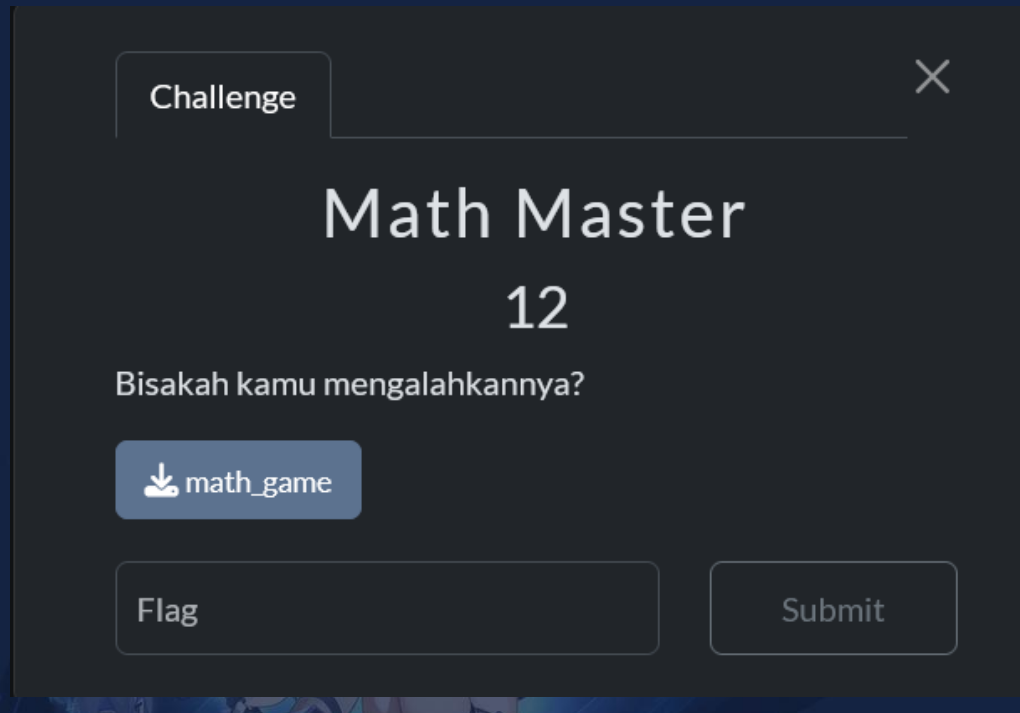
- **Flag**

ITTS{br0k3n\_RSA}

# PWN

## 1. Math Master

- Soal



- How To Solve

In this challenge, we are given a file called `math_game` which is an ELF 64-bit binary, and when I run it, it turns out to be a math quiz application that only gives 3 seconds of time?? this is insane and when I tried to start the quiz the questions didn't make any sense at all, way too hard to solve in 3 seconds!

```

♦ WearTime at ♦ /mnt/d/CTF/Soal CTF/ITTS/Math Master ♦♦master ≠ ♦ ?8 -
> ./math_game

MATHEMATICAL GENIUS CHALLENGE

Selamat datang di tantangan matematika terberat!
Anda harus menjawab 3 soal matematika dalam waktu 2 detik
per soal. Jika semua benar, Anda akan mendapat flag!

Tekan Enter untuk memulai...

MEMULAI TANTANGAN!

SOAL 1/3

Soal 1: Hitung 19! (faktorial dari 19)
Jawaban:
WAKTU HABIS! Jawaban: 121645100408832000
GAME OVER! Anda tidak berhasil menyelesaikan tantangan.
♦ WearTime at ♦ /mnt/d/CTF/Soal CTF/ITTS/Math Master ♦♦master ≠ ♦ ?8 -
>

```

So it's time to use my tool which is ghidra even though I know this is a PWN challenge but I tried to check it first in ghidra

```

// Listing: math_game
35 2e 00 00  -- Flow Override: CALL_RETURN (COMPUTED_CALL_TERMINATOR)
0010119b 0f 77 0fb
0010119c 1f 77 1fb
0010119d 44 77 44b D
0010119e 00 77 00b
0010119f 00 77 00b

//
// .text
// SHL_PROGRITS [0x11a0 - 0x186c]
// ram:001011a0-ram:0010186c
//
*****
***** FUNCTION *****
*****
undefined main()
*****
undefined8 Stack[-0x40]:0:local_40 XREF[2]: 00
undefined8 Stack[-0xa8]:1:local_a8 XREF[1]: 00
undefined8 Stack[-0xb0]:0:local_b0 XREF[2]: 00
undefined4 Stack[-0xb0]:4:local_bc XREF[2]: 00
undefined8 Stack[-0xc0]:0:local_c0 XREF[2]: 00

main XREF[5]: Entry Point
_start:0010
00102074(*)
_elfSection

001011a0 f3 0f 1e fa ENDS64

```

```

1
2 undefined8 main(void)
3
4 {
5     int iVar1;
6     long lVar2;
7     int iVar3;
8     long in_F0_OFFSET;
9     long local_b0;
10    undefined8 local_a8 [104];
11    long local_40;
12
13    iVar3 = 1;
14    local_40 = *(long *) (in_F0_OFFSET + 0x28);
15    print_banner();
16    _printf_chk(1,"Tekan Enter untuk memulai...");
17    goto(statement);
18    _printf_chk(1,4DAT_00102380);
19    while( true ) {
20        _printf_chk(1,4DAT_001023a0);
21        _printf_chk(1,"
22        _printf_chk(1,4DAT_001023a0);
23        lVar2 = generate_hack_math(iVar3);
24        time_up = 0;
25        __sysv_signal(0x0,timer_handler);
26        alarm(2);
27        iVar1 = __isoc99_scanf(4DAT_00102641,4:local_b0);
28        alarm(0);
29        if (time_up != 0) {
30            _printf_chk(1,4DAT_00102400);
31            _printf_chk(1,4DAT_001024b0);
32            goto LAB_00101339;
33        }
34    }
35

```

And I was immediately presented with a main function and when I scrolled down there was a fake flag so I guess if we check the strings we'll also get a fake one

```

44 (1, &DAT_001025b8);
45 flag(local_a8, &DAT_00102660);
46 (1);
47 (1, &DAT_00102660, local_a8);
48
49
50 (1, &DAT_001025e8);
51 (1, &DAT_0010266f, "ITTSec{fake_fl4g_go_find_the_real_flag}");
52
53
54 = *(long *) (in_FS_OFFSET + 0x28)) {
55

```

And I noticed a function called `deobfuscate_flag` and when I opened it this is the function to xor the flag and the xor key is `0x42` and it has an array called `obfuscated_flag`

```

3
4 {
5     long lVar1;
6     byte bVar2;
7
8     bVar2 = 0xb;
9     lVar1 = 0;
10    while( true ) {
11        *(byte *) (param_1 + lVar1) = bVar2 ^ 0x42;
12        if (lVar1 + 1 == 0x2d) break;
13        bVar2 = obfuscated_flag[lVar1 + 1];
14        lVar1 = lVar1 + 1;
15    }
16    *(undefined1 *) (param_1 + 0x2d) = 0;
17    return;
18

```

After I clicked the array it took us to the xored flag fragment

00102680 0b	undefine 0Bh	[0]
00102681 16	undefine 16h	[1]
00102682 16	undefine 16h	[2]
00102683 11	undefine 11h	[3]

00102684 27	undefine 27h	[4]
00102685 21	undefine 21h	[5]
00102686 39	undefine 39h	[6]
00102687 2f	undefine 2Fh	[7]
00102688 76	undefine 76h	[8]
00102689 36	undefine 36h	[9]
0010268a 2a	undefine 2Ah	[10]
0010268b 1d	undefine 1Dh	[11]
0010268c 0f	undefine 0Fh	[12]
0010268d 23	undefine 23h	[13]
0010268e 31	undefine 31h	[14]
0010268f 36	undefine 36h	[15]
00102690 27	undefine 27h	[16]
00102691 30	undefine 30h	[17]
00102692 1d	undefine 1Dh	[18]
00102693 70	undefine 70h	[19]
00102694 72	undefine 72h	[20]
00102695 70	undefine 70h	[21]
00102696 77	undefine 77h	[22]
00102697 1d	undefine 1Dh	[23]
00102698 2b	undefine 2Bh	[24]
00102699 2f	undefine 2Fh	[25]
0010269a 32	undefine 32h	[26]

0010269b 2d	undefine 2Dh	[27]
0010269c 31	undefine 31h	[28]
0010269d 31	undefine 31h	[29]
0010269e 2b	undefine 2Bh	[30]
0010269f 20	undefine 20h	[31]
001026a0 2e	undefine 2Eh	[32]
001026a1 71	undefine 71h	[33]
001026a2 1d	undefine 1Dh	[34]
001026a3 21	undefine 21h	[35]
001026a4 2a	undefine 2Ah	[36]
001026a5 23	undefine 23h	[37]
001026a6 2e	undefine 2Eh	[38]
001026a7 2e	undefine 2Eh	[39]
001026a8 27	undefine 27h	[40]
001026a9 2c	undefine 2Ch	[41]
001026aa 25	undefine 25h	[42]
001026ab 27	undefine 27h	[43]
001026ac 3f	undefine 3Fh	[44]
001026ad 42	undefine 42h	[45]

Since we already got the flag fragment it's time to make the decoder



```
from pwn import xor
```

```
flag_fragment = [0x0b, 0x16, 0x16, 0x11, 0x27, 0x21, 0x39, 0x2f, 0x76, 0x36,  
0x2a, 0x1d, 0x0f, 0x23, 0x31, 0x36, 0x27, 0x30, 0x1d, 0x70, 0x72, 0x70, 0x77,  
0x1d, 0x2b, 0x2f, 0x32, 0x2d, 0x31, 0x31, 0x2b, 0x20, 0x2e, 0x71, 0x1d, 0x21,  
0x2a, 0x23, 0x2e, 0x2e, 0x27, 0x2c, 0x25, 0x27, 0x3f, 0x42]
```

```
print(xor(flag_fragment, 0x42))
```

And boom we successfully got the flag but I'm confused is this pwn or reverse  
hehe

```
WearTime at /mnt/d/CTF/Soal CTF/ITTS/Math Master master # 78 -12 22:13:41  
python  
Python 3.13.3 (main, Apr 10 2025, 21:38:51) [GCC 14.2.0] on linux  
Type "help", "copyright", "credits" or "license" for more information.  
>>> from pwn import xor  
... flag_fragment = [0x0b, 0x16, 0x16, 0x11, 0x27, 0x21, 0x39, 0x2f, 0x76, 0x36, 0x2a, 0x1d, 0x0f, 0x23, 0x31, 0x36, 0x  
27, 0x30, 0x1d, 0x70, 0x72, 0x70, 0x77, 0x1d, 0x2b, 0x2f, 0x32, 0x2d, 0x31, 0x31, 0x2b, 0x20, 0x2e, 0x71, 0x1d, 0x21, 0x  
2a, 0x23, 0x2e, 0x2e, 0x27, 0x2c, 0x25, 0x27, 0x3f, 0x42]  
... print(xor(flag_fragment, 0x42))  
...  
b'ITTSec{m4th_Master_2025_impossibl3_challenge}\x00'  
>>>
```

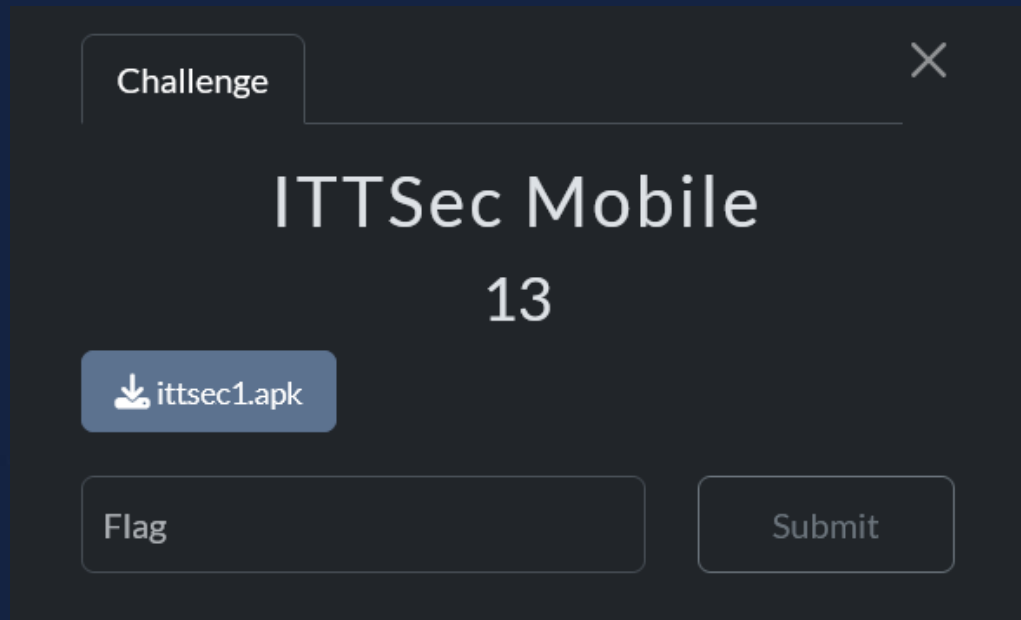
- **Flag**

ITTSec{m4th\_Master\_2025\_impossibl3\_challenge}

# Mobile

## 1. ITTSec Mobile

- Soal



- How To Solve

In this challenge, we were given a mobile APK and instructed to retrieve the flag. The first thing I tried was running this command.

```
strings ittsec1.apk | grep "ITT"
```

```
(wear|ime&wear|windows)-[mnt/d/CIF/Soal CIF/ITS/ITTSec Mobile]
$ strings ittsec1.apk | grep "ITT"
ITTSec{e4sy_r3ver53_Flag_s0}
ITTSec{e4sy_r3ver53_Flag_s0}
ITTSec{e4sy_r3ver53_Flag_s0}
ITTSec{e4sy_r3ver53_Flag_s0}
```

- Flag

```
ITTSec{e4sy_r3ver53_Flag_s0}
```