

MAGNET1C H1LLS



LA CTF 2024

NAME	POINTS	FLAG
shattered-memories	118	lactf(not_what_forgive_and_forget_means)

SOLUTION:

1. Open IDA free
2. Find block with parts of the flag
3. Run binary file and input the flag

```
Local Linux debugger
Data Unexplored External symbol Lumina function
IDA View-A Hex View-1 Local Types Imports
add rax, 40h ; n
mov edx, 8 ; n
lea rcx, aTMeans ; "t_means"
mov rsi, rcx ; s2
mov rdi, rax ; s1
call _strncmp
test eax, eax
setz al
movzx eax, al
add [rbp+var_4], eax
lea rax, [rbp+s]
add rax, 10h
mov edx, 8 ; n
lea rcx, aNdForge ; "nd_forge"
mov rsi, rcx ; s2
mov rdi, rax ; s1
call _strncmp
test eax, eax
setz al
movzx eax, al
add [rbp+var_4], eax
lea rax, [rbp+s]
mov edx, 8 ; n
lea rcx, aLactfNo ; "lactf(no"
mov rsi, rcx ; s2
mov rdi, rax ; s1
call _strncmp
test eax, eax
setz al
movzx eax, al
add [rbp+var_4], eax
lea rax, [rbp+s]
add rax, 10h
mov edx, 8 ; n
lea rcx, aOrgiveA ; "orgive_a"
mov rsi, rcx ; s2
mov rdi, rax ; s1
call _strncmp
0.00% (2598,728) (568,2) 00001268 0000000000001268: main+C0 (Synchronized with He
;)
mation.
```

```
kali@kali: ~/Desktop
File Actions Edit View Help
(kali@kali)-[~]
$ cd Desktop
(kali@kali)-[~/Desktop]
$ chmod +x shattered-memories
(kali@kali)-[~/Desktop]
$ ./shattered-memories
What was the flag again?
lactf(not_what_fnd_forget_means)
No, I definitely remember it being a different length...
(kali@kali)-[~/Desktop]
$ ./shattered-memories
What was the flag again?
lactf(not_what_fnd_forget_means)
No, I definitely remember it being a different length...
(kali@kali)-[~/Desktop]
$ ./shattered-memories
What was the flag again?
lactf(not_what_forgive_and_forget_means)
Yes! That's it! That's the flag! I remember now!
(kali@kali)-[~/Desktop]
$
```