./adder

r2 adder

aa

pdf@sys.main

```
li:~/Desktop/adder# r2 adder
55
4889e5
4883ec20
c745f4000000.
c745f0000000.
c745ec000000.
bed00c4000
bfa0216000
e8e6fc111f
                                                                                                                      push rbp
mov rbp, rsp
sub rsp, 0x20
mov dword [costcol], 0
mov esi, str.Enter_three_numbers; 0x400cd0; Enter three numbers|\n^m
mov edi, obj. Zst4cout_GLIBCXX_3.4; 0x602100
call sym.std::basic_ostream_char_std::char_traits_char__std::operator__std::char_traits_char__std::basic_ostream_char_std:
                                                                                                                     lea rax, qword [worsich]
mov rsi, rax
mov edi, obj_Zstācin_GLIBCXX_3.4 : 0x
call sym.std::istream::operator_int
lea rdx, qword [worsich]
mov rsi, rdx
mov rdi, rax
call sym.std::istream::operator_int
lea rdx, qword [worsich]
mov rsi, rdx
mov rdi, rax
call sym.std::istream::operator_int
mov edx, dword [worsich]
mov edx, dword [worsich]
mov eax, dword [worsich]
                                                                                                                    add edx, eax
mov eax, dword [Medi Min]
add eax, edx
mov edi, eax
call sym.gem_int
mov edx, dword [Medi Min]
add edx, eax
mov edx, dword [Medi Min]
add edx, eax
mov eax, dword [Medi Min]
add edx, eax
mov eax, dword [Medi Min]
add edx, eax
mov eax, dword [Medi Min]
add eax, edx
cmp eax, 0x539 : 1337
jne 0x400bcc
mov esi, str.easyctf ; 0x400ce6 ; "easyctff"
mov edi, obj. ZSt4cout_GIBCXX 3.4 ; 0x602100
call sym.std:basic_ostream_char_std::char_traits_char_std::operator_std::char_traits_char_std::basic_ostream_char_std:
                                                                         01c2
8b45ec
01d0
89c7
e8c0fd
488945f8
8b55f4
8b45f0
                                                                         8b45f0
01c2
8b45ec
01d0
3d39050000
7527
bee60c4000
bfa0216000
e87cfcffff
                                                                         488b45f8
4889c7
                                                                                                                     mov rax, qword [ mod ] mov rdi, rax call sym.print_ptr_char mov edi, 0x400cef call sym.imp.puts imp 0x400bdb
                                                                         4889C7 65
e823fffffff
bfef0c4000
e8f6fbfffff
eb0frash
bef10c4000
bfa0216000
                                                                                                                      mov rax, qword [
mov rdi, rax
call sym.imp.free
mov eax, 0
leave
```

```
0x00400b9e<sub>0x</sub>
0x00400ba3

3d39050000

cmp eax, 0x539

jne 0x400bcc
```

在這行指令中發現了 cmp 指令與 1337 這個數字,推測 1337 可能是 adder 所想

要的答案,因為下一個 instruction 是 jne 0x400bcc,也就是 jump if not equal. 然 後在 ox400bcc 我們發現了 nope 這個字串。

0x00400bcc bef10c4000 mov esi, str.nope. ; 0x400cf1 ; "nope.\

此時去試試看 1337 這個值

```
root@kali:~/Desktop/adder#
Enter three numbers!
1337
0
0
easyctf{y0u_added_thr33_nums!}
root@kali:~/Desktop/adder#
```

得到 flag