Description: I wrote a function to generate the flag, but don't worry, I bet you can't access it!

Resources given: ELF x64-bit executable named chall

Hints:

- you could reverse engineer the function, but it's not necessary
- see if you can use any debugging tools to just call the function

When executing chall no input option is given and the message "No flag for you >:(" is printed.

```
(kali⊛kali)-[~/Desktop]
$ ./chall
No flag for you >:(
```

If we use gdb on chall and use the command info functions we can see a function called "win" at 0x00000000004005ea

To access win we can set \$rip = 0x00000000004005ea so that the next instruction performed will be at 0x00000000004005ea.

We can use c to avoid needing to step through each instruction individually. Eventually printing the flag: bcactf{W0w_Y0u_m4d3_iT_b810c453a9ac9} and then proceeding to crash.

```
[#0] Id 1, Name: "chall", stopped 0×4006bc in main (), reason: BREAKPOINT

[#0] 0×4006bc → main()

gef> set $rip = 0×00000000004005ea
gef> c
Continuing.
bcactf{W0w_Y0u_m4d3_iT_b810c453a9ac9}

Program received signal SIGSEGV, Segmentation fault.
```

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