vagrant@ubuntu-focal:/vagrant/lab1/IOLI-crackme$ gdb crackme0x01

GNU gdb (Ubuntu 9.2-0ubuntu1~20.04.1) 9.2

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This GDB was configured as "x86\_64-linux-gnu".

Type "show configuration" for configuration details.

For bug reporting instructions, please see:

<http://www.gnu.org/software/gdb/bugs/>.

Find the GDB manual and other documentation resources online at:

<http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".

Type "apropos word" to search for commands related to "word"...

Reading symbols from crackme0x01...

(No debugging symbols found in crackme0x01)

(gdb) r

Starting program: /vagrant/lab1/IOLI-crackme/crackme0x01

IOLI Crackme Level 0x01

Password: ^C

Program received signal SIGINT, Interrupt.

0xf7fd0b49 in \_\_kernel\_vsyscall ()

(gdb) bt

#0 0xf7fd0b49 in \_\_kernel\_vsyscall ()

#1 0xf7ec4bab in read () from /lib/i386-linux-gnu/libc.so.6

#2 0xf7e4cc73 in \_IO\_file\_underflow () from /lib/i386-linux-gnu/libc.so.6

#3 0xf7e4e020 in \_IO\_default\_uflow () from /lib/i386-linux-gnu/libc.so.6

#4 0xf7e25829 in ?? () from /lib/i386-linux-gnu/libc.so.6

#5 0xf7e23429 in scanf () from /lib/i386-linux-gnu/libc.so.6

#6 0x0804842b in main ()

(gdb) tbreak \*0x0804842b

Temporary breakpoint 1 at 0x804842b

(gdb) c

Continuing.

12345

Temporary breakpoint 1, 0x0804842b in main ()

(gdb) disas

Dump of assembler code for function main:

0x080483e4 <+0>: push %ebp

0x080483e5 <+1>: mov %esp,%ebp

0x080483e7 <+3>: sub $0x18,%esp

0x080483ea <+6>: and $0xfffffff0,%esp

0x080483ed <+9>: mov $0x0,%eax

0x080483f2 <+14>: add $0xf,%eax

0x080483f5 <+17>: add $0xf,%eax

0x080483f8 <+20>: shr $0x4,%eax

0x080483fb <+23>: shl $0x4,%eax

0x080483fe <+26>: sub %eax,%esp

0x08048400 <+28>: movl $0x8048528,(%esp)

0x08048407 <+35>: call 0x804831c <printf@plt>

0x0804840c <+40>: movl $0x8048541,(%esp)

0x08048413 <+47>: call 0x804831c <printf@plt>

0x08048418 <+52>: lea -0x4(%ebp),%eax

0x0804841b <+55>: mov %eax,0x4(%esp)

0x0804841f <+59>: movl $0x804854c,(%esp)

0x08048426 <+66>: call 0x804830c <scanf@plt>

=> 0x0804842b <+71>: cmpl $0x149a,-0x4(%ebp)

0x08048432 <+78>: je 0x8048442 <main+94>

0x08048434 <+80>: movl $0x804854f,(%esp)

0x0804843b <+87>: call 0x804831c <printf@plt>

0x08048440 <+92>: jmp 0x804844e <main+106>

0x08048442 <+94>: movl $0x8048562,(%esp)

0x08048449 <+101>: call 0x804831c <printf@plt>

0x0804844e <+106>: mov $0x0,%eax

0x08048453 <+111>: leave

0x08048454 <+112>: ret

End of assembler dump.

(gdb) x /s 0x804854c

0x804854c: "%d"

(gdb) x /d 0x149a

0x149a: Cannot access memory at address 0x149a

(gdb) x 0x149a

0x149a: <error: Cannot access memory at address 0x149a>

(gdb) p 0x149a

$1 = 5274

(gdb) c

Continuing.

Invalid Password!

[Inferior 1 (process 2383) exited normally]

(gdb) r

Starting program: /vagrant/lab1/IOLI-crackme/crackme0x01

IOLI Crackme Level 0x01

Password: 5274

Password OK :)