Summary

This challenge has been stripped and has a function that is called, but doesn't execute the flag process.

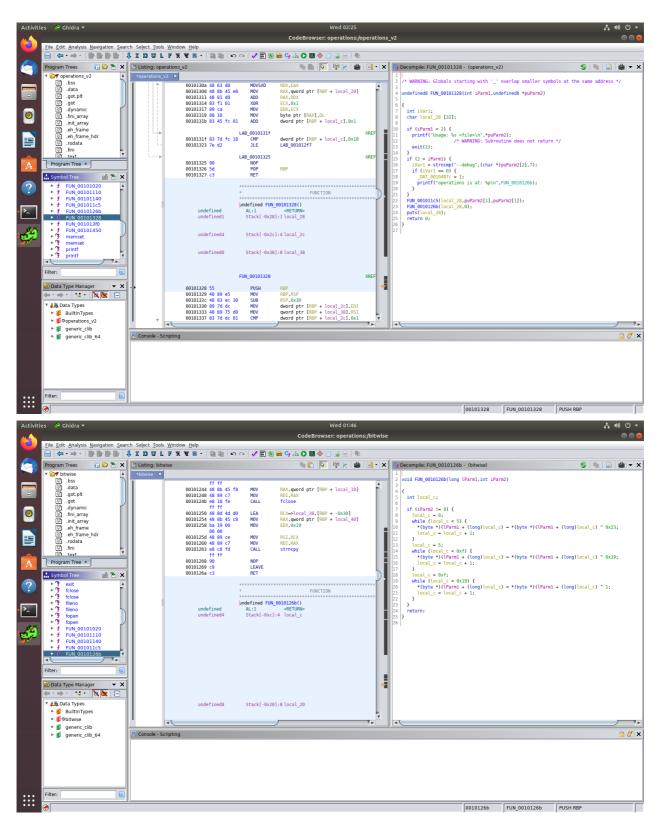
Information gathering

```
We get two files, flag.txt and operations . flag.txt contains a weird string: eobdX{(mNp,|F)iDs5uhNor| and operations is a stripped 64bit binary:
```

```
operations: ELF 64-bit LSB shared object, x86-64, version 1 (SYSV), dynamically linked, interpreter /lib64/l, for GNU/Linux 3.2.0, BuildID[sha1] = 94c8987eba9458d1ece60c5991a2c8c77adfbd69, stripped
```

Disassembling the binary

We can use ghidra to look at the predicted source code to understand how it works. There are two interesting functions; FUN_00101328 and FUN_00101328 and FUN_0010126b and FUN_001026b and FUN_001026b and FUN_001026b and <a href="FUN_001026



FUN_00101328 looks to be main . Looking at FUN_0010126b we can see some xor operations happening.

Xorring the flag

Let's try to xor the flag with the same numbers and locations as the binary:

```
fd = open('flag.txt', 'r')
input = fd.read()
flag = ''
for i in range(0, 5):
    flag += chr(ord(input[i]) ^ 0x23)
for i in range(5, 15):
    flag += chr(ord(input[i]) ^ 0x19)
for i in range(15, 25):
    flag += chr(ord(input[i]) ^ 1)
```

```
$ python rev.py
Flag: FLAG{b1tWi5e_0pEr4ti0ns}
```

Got the flag!