For this challenge, we have a python file and the netcat address. Download the python file and we get a simple program. Notice the program is using libc and more importantly c_buffer. So this is a simple buffer overflow. The if statement in the code essentially says if 'DUCTF' shows up anywhere in the second buffer, we're going to be given the flag. To solve this challenge, simply send in 512 characters to fill up the buf1, appended by 'DUCTF', which will be inserted into buf2. Behold, flag!