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Jec214

Project 2 Writeups

1. Initially I began stepping through each line of code and viewing the register contents at each step. Once I neared the end of the program I simply saw a string loaded from a specific address in memory followed by a call to strcmp. Once I saw the long string of characters, I assumed this was the passcode to which the string guess was compared. I tried entering this string and it unlocked to program. I did not have many failed attempts as I didn't start making guesses until I found this string.

Solution: "haBaZykkKsfcmKuhfGtKgG"

2. Similarly, to the first puzzle I by tracing the code in order of sections. The first thing I noticed is a that a string of the current file path was loaded into a register. This led me to believe that this would be related to this path somehow. I then realized after function r that the string was trimmed to "USERNAME_2" with the username replaced by jec214 in my case. After function c I saw that the result was that "_2" was appended to the end of whatever guess the user entered. Therefore, I figured if I entered "jec214", the "_2" would be appended to the entry causing the passcodes to match. I did not have many failed attempts as I stepped through code rather than guessing and checking.

Solution: "jec214"

3. I did not complete this puzzle. I see that there is no main function. I see that there are several calls to get char, and it appears that the passcode is entered in segments. This is as far as I got. I did not know how to proceed upon learning this aside from simply attempting to print values at different points in the program.

Solution: n/a