COE 0449 Project 2

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Procedure

I used “objdump -d alc260\_2” to examine the assembly code. I began by looking the code in “main”. Main calls function d which in turn calls function c, r, and s. Through walking through the code, I was able to determine that basically the code just compares the input to the previous input within function r. Function c removes the line feed character and is called before function r. Function s is then called to calculate to string length. Lastly, this string length stored in %eax is compared to $0xe, which is 16 in decimal. It jumps if it finds the string length is less than 16 and continues to the “Congratulations!” printf otherwise.

Solution

The solution to this is straightforward. The password needs to be at least 16 characters and also be a palindrome.