CYBR 470/570 Reverse Engineering

Lab 3, Crack them - Due, April 23, 2025

April 17, 2025

Find the passwords

In this lab you'll find the passwords for the 3 binaries included. Make sure you run all provided binaries in a VM so as to practice good hygiene.

Guide

You'll create a step-by-step guide for discovering the input each binary requires in order to output whatever it considers a "success." The guide must include all your logic and reasoning.

- If the binary has more than one solution, you must provide **both** a concrete solution (via a file that can be fed into the program) and a **regular** representation that is an **expression** of all acceptable inputs.
- To sharpen our C skills, provide programs that generates the input 2 out of the 3 programs expect.
    - Make sure your guide explains exactly what you programs are doing.
    - Your source code must also have comments in that are easy to follow.

Turn in:

Turn in a tarball including all of the following:

- All the binaries needed to step through your guide.
    - This will include the 2 programs you created to solve the puzzles.
    - Instructions for compiling and running your programs.
- A step-by-step PDF guide or blog post.

Notes:

- Listing/verbatim is easier to follow than screen shots if it's just command line output.