Practical Lab A1

Software Reverse Engineering and Protection

HES-SO MSE 2024-2025

Description This executable is a CLI program that asks for a secret ASCII password provided as a parameter:

```
MSE-SRE Challenge A1 --- Enjoy !

What I need is 1024 passwords passing the check!

Usage: ./A1_0 <password>
```

As hinted, there is not a single valid passwords, but several ones.

Questions

1. What is the programming language used to write this program?

2. What is the algorithm used to check the validity of a password?

3. Can you break this password checker, i.e., implementing a generator of valid passwords? You must send[1] 16 different valid passwords by email to pascal+sre25@mod-p.ch before Mar. 24th, 2025, 12h00 CET to validate this lab and get 10 points.

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[1] If you want to get an evaluation for this lab, be sure to mention it in your email. Also, be sure to attach a properly written report and the source code of the tools you have written.