

# Practical Lab E3

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 E3 --- Enjoy !
```

```
What I need is 1024 passwords passing the check!
```

```
Usage: ./E3_0 <password>
```

This time, there is not a single valid passwords, but several ones.

## Questions

1. What is the target platform of this executable?
2. Was this executable stripped?
3. What is the algorithm used to check the validity of a password?
4. Can you break this password checker, i.e., implementing a generator of valid passwords? You must send 16 different valid passwords by email to [pascal+sre25@modp.ch](mailto:pascal+sre25@modp.ch) before Mar. 10th, 2025, 12h00 CET to validate this lab and get 5 points.