

Assignment 1: Due 7 March 2023 (23:59)

Bruteforcing



Universiteit
Leiden
The Netherlands

Security

Motivation

This is an easy and fun assignment to start you on the security path. It focuses on a fundamental attack technique (bruteforcing) and will allow you to appreciate the cryptography lectures later in the course.

Task

You are provided two files: a zip archive and a txt file. The goal is to find a *flag* hidden inside the two files. Your solution should be automated (implement it as a script) and we will test it on another set of files that will have similar properties.

We don't tell you what the flag is. But you will recognize it when you find it.

This is an individual assignment.

Submission

You need to submit a Python script and a short report that describes how you have solved the assignment.

Requirements for your assignment submission package (use it as a checklist):

- ☐ Submission is a zip file titled with your student ID number (e.g., `s12345678.zip`).
- ☐ Report (in pdf and in English) is included. It includes your name and your student ID.
- ☐ Your script is called `assignment1.py` and it does **not** expect any arguments. For testing, you can assume that the files will be in the same folder as your script.
- ☐ Your script returns the flag value.

Evaluation criteria

This project will be evaluated on the following components:

- Handling of flag finding on a different (similar but not identical) test set-up.
- Computer lab machines will be used as a reference: your solution should work there out of the box (no additional installations).
- Our grading will be automated: if you do not follow the submission instructions your solution will not work correctly.
- Correct error handling.
- Concise, typo-free and clear report.