

## Third Challenge Instruction

A zip folder containing the exercises will be uploaded on moodle.

There are 3 exercises, for a total of 33 points, in the Crypto and Web areas, or Reverse and PWN areas. You need at least 16 points to pass the challenge, and average  $\geq 18$  to pass the exam.

For each exercise, we supply two additional hints (available on Moodle STEM), that can help you if you need.

Opening a hint will automatically remove 3 points. We don't give negative grade for an exercise, e.g., if you open an hint but you don't solve that exercise.

You can open the same hint all the times you want.

To solve an exercise, you need to find a flag in the `SPRITZ{...}` format, and send it to us along a DETAILED description of what you did to find it (write-up), the eventual code you wrote, the patched binary, and every file you used to solve the challenge. A poor write-up will lose you points!!!

To submit your answer, upload a zip containing all the files on the corresponding assignment on Moodle STEM.

**YOU HAVE TIME UNTIL 12.30**

### NOTES

Note I: The exercises order doesn't matter, you can start from whatever you think is the best.

Note II: If you are stuck, use a hint or move to the next exercise. If you think there is an error in the binary/exercise, please contact us!

Note III: Remember to use Python 3 or above when running the exercises.

Note IV: Please submit everything you did, even if you did not fully solved the exercises. You can still gain some precious points.

Note V: Read the instruction of each exercise CAREFULLY. Not obeying to the rules will lose you points!

Note VI: If your PC or program crash, call the teacher immediately, otherwise we might not be able to help you.