

# Homework 1

## Python basics and flow control

Given January 22<sup>nd</sup> – Due February 3<sup>rd</sup>

In this assignment you have to develop a security program. Inside a while loop you will ask several security questions. Be creative! When all of them are answered correctly a piece of secret information will be printed and the program will be finished. In your program:

- use at least 1 time each of the following functions: `print()`, `input()`, `len()`, `str()`, `int()`, `float()` and `randint()`.
- use at least 1 variable of each of the following data types: `int`, `float` and `string`.
- use *camelcase* or *underscores* for variable names. Be consistent and have descriptive names!
- use at least 4 different operators. One of them has to be the modulus or the integer division.
- use a for loop inside your main loop to ask 3 questions using the `range()` function. Use the value of your iterator to ask the 3 questions.
- use at least 1 time each of the following statements: `if`, `else`, `elif`, `break` and `continue`.
- use at least one “Truthy” or “Falsey” value.

Also,

- Write comments explaining what you do in your code and why.
- Identify three different blocks of code in your code by writing `# Block 1 start` and `# Block 1 ends`

Submit your code file as *hw1\_name\_surname.py*. Comment everything so we know you wrote the code! On top of your file write this multiline comment with your information:

```
"""
```

*Homework 1, Exercise 1 (or 2...)*

*Name*

*Date*

*Description of your program.*

```
"""
```