

# Quiz 1

## The Art of Computer Programming

22 September 2025

Full name: .....

You have 10 minutes to answer this quiz, directly on this sheet of paper. No electronic devices or material of any kind is allowed. Do not forget to add your name above. Every question amounts to 2 points; the quiz is graded out of 10 points.

### Questions

Q1. Circle the correct answer

- a. Python and C are both weakly typed languages.
- b. Python is a weakly typed language, C is a strongly typed language.
- c. Python is a strongly typed language, C is a weakly typed language.
- d. Python and C are both strongly typed languages.

Q2. What is the decimal number whose binary representation is  $01100101_2$ ? .....

Q3. `x = 5`  
`y = 2 * x`  
`x = y + 1`

After the execution of this Python code fragment:

- The value of `x` is .....
- The value of `y` is .....

Q4. `int x = 5;`  
`int *p = &x;`  
`int y = 2 * x;`  
`*p = 7;`

After the execution of this C code fragment:

- The value of `x` is .....
- The value of `y` is .....

Q5. `name = 'Toto'`  
`age = 27`  
`print(f"{name} is {age}")`

What is the output of this Python code fragment: .....