

DB701 μ Introduction to Blockchain with Python

Mission 1: Message hashing with SHA-256

This assessment evaluates the following competencies:

- *BC501 – Write a simple blockchain with Python from scratch* (+1)
- *PP501 – Understand and use basic cryptographic tools with Python* (+1)

In this mission, you have to find how to compute the SHA-256 hash of a given data with the `hashlib` module of Python. To succeed the mission, you have to:

1. Find how to use the `hashlib` module of Python to compute a SHA-256 hash.
2. Write a program that:
 - (a) asks to the user to provide a string message;
 - (b) computes and prints the SHA-256 hash of this message.
3. Explain to the teacher how your program is working.