DB701μ Introduction to Blockchain with Python

Quizz 1: Blockchain and application

This assessment evaluates the following competencies:

- *BC101 – Understand the notions of block, blockchain and mining*   *(+1)*
- *BC102 – Understand blockchain mechanisms and operations*   *(+1)*
- *BC901 – Discuss about blockchain applications and explain briefly how they work*   *(+1)*

Three affirmations are given for each assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

BC101	**True**	**False**
All the blocks of a given blockchain contain a reference to another block, except one.	☐	☐
The content of any blockchain is always visible by anyone in the world, that is, it always allows open and public access.	☐	☐
A blockchain is a decentralised distributed database storing transactions.	☐	☐

BC102	**True**	**False**
Adding a block on a copy of the blockchain on my computer is possible without any restriction, but the modification can be rejected by the network.	☐	☐
It is possible to change the content of a block of a given blockchain, on the network.	☐	☐
It is impossible to completely copy the content of a blockchain on its own computer, even if it is a public one.	☐	☐

BC901	**True**	**False**
Blockchain makes it possible for two people to exchange money without relying on a central banking system and trusting it.	☐	☐
Blockchain makes it possible to engrave a contract in the marble and code the activation condition so that the contract is automatically executed when the decided conditions are met.	☐	☐
Choosing a blockchain to store the list of products sold an online store is a better solution than using a traditional relational database.	☐	☐