Module 3: Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations

In this module, you will cover the following topics:

- the Boolean data type;

- relational operators;

- making decisions in Python (if, if-else, if-elif,else)

- how to repeat code execution using loops (while, for)

- how to perform logic and bitwise operations in Python;

- lists in Python (constructing, indexing, and slicing; content manipulation)

- how to sort a list using bubble-sort algorithms;

- multidimensional lists and their applications.