

Exercise 1.6: Connecting to Databases in Python

Reflection Questions

1. What are databases and what are the advantages of using them?

- ◆ Databases are collections of data that can be easily accessed, managed, and updated. They offer efficient data management.

2. List 3 data types that can be used in MySQL and describe them briefly:

Data type	Definition
VARCHAR	String containing letters, numbers and special characters.
INT	Integer value.
DATE	Date storing value in default YYYY-MM-DD format.

3. In what situations would SQLite be a better choice than MySQL?

- ◆ SQLite would be a better choice when the application requires a lightweight database.

4. Think back to what you learned in the Immersion course. What do you think about the differences between JavaScript and Python as programming languages?

- ◆ Javascript is used primarily in web development, whereas python can be used in variety of applications.

5. Now that you're nearly at the end of Achievement 1, consider what you know about Python so far. What would you say are the limitations of Python as a programming language?

- ◆ With my limited knowledge of the language, the only limitation that I'm facing is that I can't see the result of my code easily.