Tasks

1. Familiarize yourself with the basic instructions for operating a database

    1. Searching for all objects
    2. Searching for an object by ID
    3. Adding an object
    4. Deleting an object
    5. Updating an object

2. Design a database containing a minimum of 5 object properties
3. Define a schema for validating the database used in its creation

    1. The schema defines the format in which the object properties should be specified, for example:

        1. The age field should default to an integer value
        2. The name field should have a string value

    2. Helpful links
    https://www.mongodb.com/community/forums/t/defining-data-schema-using-pymongo/8533
    https://stackoverflow.com/questions/61074297/how-to-create-schema-in-mongodb-using-python

4. Create a collection based on the defined schema
5. Perform actions to add an object containing fields that comply with the defined schema and add an object with different types of properties and observe the effects of the actions
6. Include the output of both actions in the code comments

7. Program an interface that allows the user to manipulate data in the database using the terminal

    1. The interface should work in the console
    2. It should display information about possible actions
    3. It should inform the user about the state of the database after performing the actions
    4. It should display feedback after performing the actions (whether the execution was successful or not)
    5. Error handling and validation of user input should be implemented
    6. The interface can be implemented in an object-oriented form or using methods.