HW4: MongoDB
Due: 12:59pm Tuesday March 23, 2021.

You have been provided a python script file named **mongoDB_hw4.py** that creates a mongoDB database with two collections, and populates the collections with data imported from **data.py.** Please **DO NOT** modify any existing data in **data.py**, but feel free to add more data to test your code!
Please **DO NOT** modify the database initialization section(line 10-32) in **mongoDB_hw4.py.**

Your tasks:
1. Install mongodb server. Download mongoDB_hw4.py and data.py. Store both files under the same directory.
2. Install python package pymongo. See https://pypi.org/project/pymongo/
3. Replace #YOUR NAME HERE by your name at line 3 of the mongoDB_hw4.py.
4. In the question section(begin at line 66), add your python code (with comments) according to the following specifications.
    a. Find the author of the book "Android in Action, Second Edition".
       Return the author's **name** or **names**.

    b. Find out which book(s) is(are) an anthology. Note that the word 'anthology' will appear under 'Long Description'. (Be careful with the difference between collections.find() and collections.find_one() method. Which one should be used in this case?)
       Return the **title** of the book(s).

    c. Among the authors of the book "Unlocking Android", which author is a managing partner at Twin Technologies LLC? To simplify the question, you can assume there is only one author who is a managing partner at Twin Technologies LLC.
       Return his/her **name** and **biography**.
       Hints:
       Divide the problem into two steps:
            Step I: get a list of authors of the book from the book-collection (similar to Question 1).
            Step II: iterate through that list (using a for-loop) executing a query that searches for those two strings.
       In Python, consider import re (i.e., the regular expressions library) and the re.compile() method to generate more complex regex.

● For each question, please print your answers using python print() method. Your python script when executed:

$ python3 mongoDB_hw4.py
Should print the following outputs to the terminal:
Question 1: author's name or names
Question 2: title of the book(s)
Question 3: his/her name and biography

- Your code must not be tailored to work only on one data set! Which means if I test your code against a larger dataset(e.g I can add more authors to a book, or more book collections), your code should generate correct output.

- Finally rename **mongoDB_hw4.py** to **LastName_mongoDB_hw4.py** and upload your file on to the canvas. **DO NOT upload data.py.**