MongoDB Exercise – Week12 Assignment

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Question No:1

- 1. **Create Operation:**
 - Create a new database named "library" and switch to it.
 - Create a collection named "books" with fields: title, author, and published_year.
 - Insert a document into the "books" collection with the details of your favorite book.

Question No:2

2. **Read Operation:**

- Retrieve all documents from the "books" collection.
- Find and display only the documents where the author is "Leo Tolstoy".
- Fetch and display the document with the earliest published year.

Question No:3

- 3. **Update Operation:**
 - Update the published year of the book with the title ""The Hobbit"" to the current year.
- Add a new field "genre" with the value "Science Fiction" to all documents in the "books" collection.

```
library> db.books.update({title:"The Hobbit"},{$set:{Published_year:2024}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
library> db.books.update({},{$set:{genre:"Science Fiction"}},{multi:true})
  acknowledged: true,
  matchedCount: 4,
modifiedCount: 4,
upsertedCount: 0
library> db.books.find()
     _id: ObjectId('676126e31cad62fd630deb30'),
title: 'Crime And Punishment',
Author: 'Fyodor Dostoevsky',
Published_year: 1866,
genre: 'Science Fiction'
      _id: ObjectId('676126e31cad62fd630deb31'),
      title: 'War and Peace',
Author: 'Leo Tolstoy',
      Published_year: 1869,
genre: 'Science Fiction'
       _id: ObjectId('676126e31cad62fd630deb32'),
     title: 'The Hobbit',
Author: 'JRR Tolkien',
      Published_year: 2024,
genre: 'Science Fiction
     _id: ObjectId('676126e31cad62fd630deb33'), title: 'Brave New World',
```

Question No:4

- 4. **Delete Operation:**
- Remove the document with the title "Crime And Punishment" from the "books" collection.
- Delete all documents from the "books" collection where the published year is before 1960.