WEEK-12 MONGO DB QUESTIONS AND SOLUTIONS

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.

Ans:

```
El mongodh mongodhz/127.0.0.1;27017/directConnection=true&serverSelectionTimeoutMS=2000

Ricrosoft Windows [Version 10.0.19845.5247]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lBRAHIR\mongosh
Current Mongosh Log 10: 675af2810ec7aa3289893bf7

The server generated these startup warnings when booting 2004-12-11103:55:14.298-08:08: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted tests use library
librarys do.createcollection("books")
(chc. 1)
(ch
```

2. Read Operation:

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

Ans:

```
### Respect to the content of the co
```

3. Update Operation:

- Update the published year of the book with the title "Romeo and Juliet" to the current year.
- Add a new field "genre" with the value "Love" to all documents in the "books" collection.



4. Delete Operation:

- Remove the document with the title "I Too had a love storty" from the "books" collection.
- Delete all documents from the "books" collection where the published year is before 2000.

Ans:

```
library> db.books.deleteOne({title:"I Too had a Love Story"})
{    acknowledged: true, deletedCount: 1 }
library> db.books.find()
{
        id: ObjectId('675afa619ec7aa3289893bf8'),
        title: Romeo and Juliet',
        author: 'William Shakespeare',
        published_year: 2024,
        genre: 'Love'
        }
        id: ObjectId('675afa619ec7aa3289893bfa'),
        title: New Before You',
        author: 'Tojo Moyes',
        published_year: 2012,
        genre: 'Love'
        }
        id: ObjectId('675afa619ec7aa3289893bfb'),
        title: Nappy Place'
        author: 'Emily Henry',
        published_year: 2023,
        genre: 'Love'
}
}
library>
```

5. Advanced Query:

- Find and display the top 3 recently published books from the "books" collection.
- Retrieve documents from the "books" collection where the title contains the word "Genre" or "Published_year:Lessthan 2000".

Ans:

```
library> db.books.find().sort({published_year:-1}).limit(3)

{
    id: ObjectId('675afa619ec7aa3289893bf8'),
        title: Nomeo and Juliet',
        author: William Shakespeare',
    published_year: 2024,
    genne: Love

}
    id: ObjectId('675afa619ec7aa3289893bfb'),
    title: 'Happy Place',
    author: '581/9 Menny',
    published_year: 2013,
    genne: Love

{
    id: ObjectId('675afa619ec7aa3289893bfa'),
    tute: '380 Move '50',
    published_year: 2012,
    genne: 'Love'
}

library> db.books.find({5or:{{genne:"Love"},{published_year:{$1t:2000}}}})

[
    id: ObjectId('675afa619ec7aa3289893bf8'),
    title: 'Nomeo and Juliet',
    author: 'William Shakespeare',
    published_year: 2024,
    genne: 'Love'

}

db. ObjectId('675afa619ec7aa3289893bfa'),
    title: 'Nomeo and Juliet',
    author: 'Milliam Shakespeare',
    published_year: 2024,
    genne: 'Love'

id: ObjectId('675afa619ec7aa3289893bfa'),
    title: '391 Moyes',
    published_year: 2012,
    genne: 'Love'
}

id: ObjectId('675afa619ec7aa3289893bfb'),
```