# Assignment for Week 12 - Mongo DB Exercise - Ramees Raja M

# Question 1:

\*\*Create Operation:\*\*

- 1. Create a new database named "library" and switch to it.
- 2. Create a collections named "books" with fields: title, author, and published\_year.
- 3. Insert a document into the "books" collection with the details of your favorite book.

```
test> use library
switched to db library
library> db.createCollection("books")
{ ok: 1 }
library> db.books.insertMany([{title:"Rich Dad Poor Dad",author:"T. Kiyosaki",published_year:1997},{title:"The Psychology of Money",author:"Morgan Housel",p
ublished_year:2020},{title:"Think and Grow Rich",author:"Napoleon Hill",published_year:1937},{title:"I Will Teach You to Be Rich",author:"Ramit Sethi",publi
shed_year:2009}])
{
    acknowledged: true,
    insertedIds: {
        '0: ObjectId('675acd2a0611f2f9be893bf8'),
        '1: ObjectId('675acd2a0611f2f9be893bf9'),
        '2: ObjectId('675acd2a0611f2f9be893bf0'),
        '3: ObjectId('675acd2a0611f2f9be893bfb')
}
library> |
```

# Question 2:

\*\*Read Operation:\*\*

- 1. Retrieve all documents from the "books" collection.
- 2. Find and display only the documents where the author is "Morgon Housel".
- 3. Fetch and display the document with the earliest published year.

# Question 3:

# \*\*Update Operation:\*\*

- 1. Update the published year of the book with the title "The Intelligent Investor", author "Benjamin graham" to the current year.
- 2. Add a new field "genre" with the value "Money" to all documents in the "books" collection.

# Question 4:

# \*\*Delete Operation:\*\*

- 1. Remove the document with the title "Think and grow rich" from the "books" collection.
- 2. Delete all documents from the "books" collection where the published year is before 2000.

```
library> db.books.deleteOne({title:"Think and Grow Rich"})
{ acknowledged: true, deletedCount: 1 }
library> db.books.deleteMany({published_year:{$\t:2000}})
{ acknowledged: true, deletedCount: 1 }
library> db.books.find()
[
{
    _id: ObjectId('675acd2a0611f2f9be893bf9'),
    title: 'The Psychology of Money',
    author: 'Morgan Housel',
    published_year: 2020,
    genre: 'Money'
},
    _id: ObjectId('675acd2a0611f2f9be893bfb'),
    title: 'I Will Teach You to Be Rich',
    author: 'Ramit Sethi',
    published_year: 2009,
    genre: 'Money'
}
genre: 'Money'
}
library> |
```

# Question 5:

\*\*Advanced Query:\*\*

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

```
Theory & bode, family services the service of the services of
```