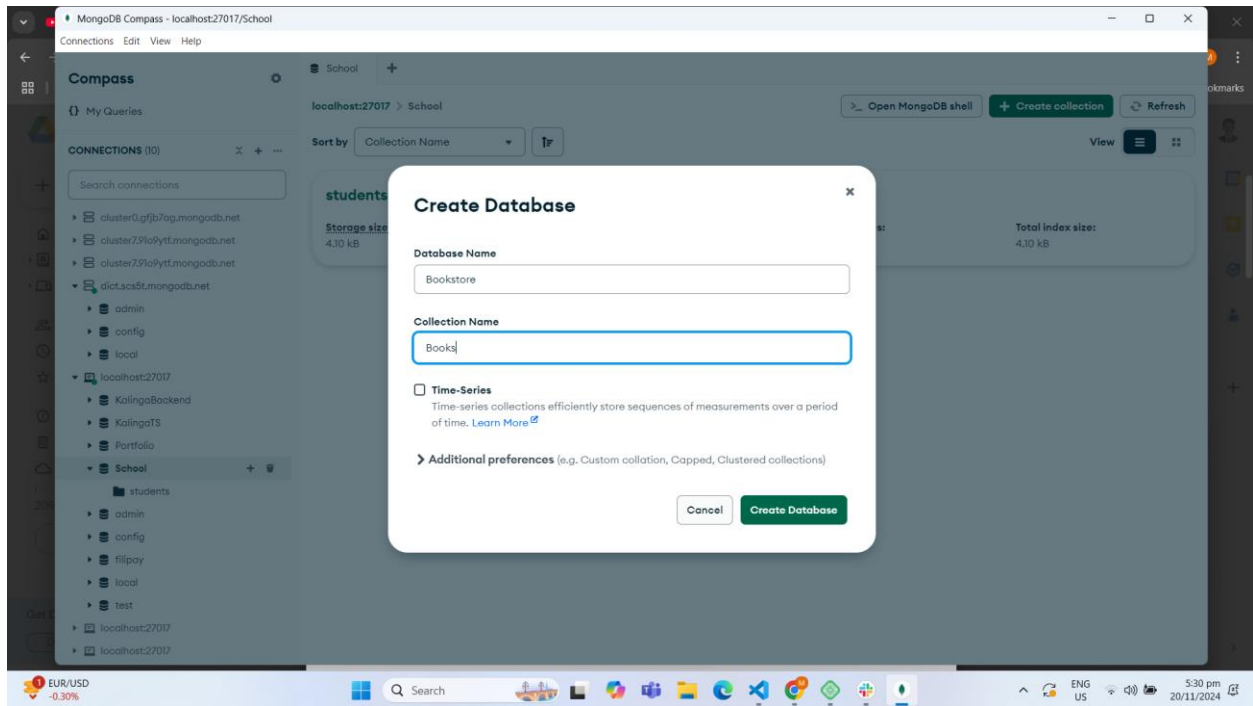
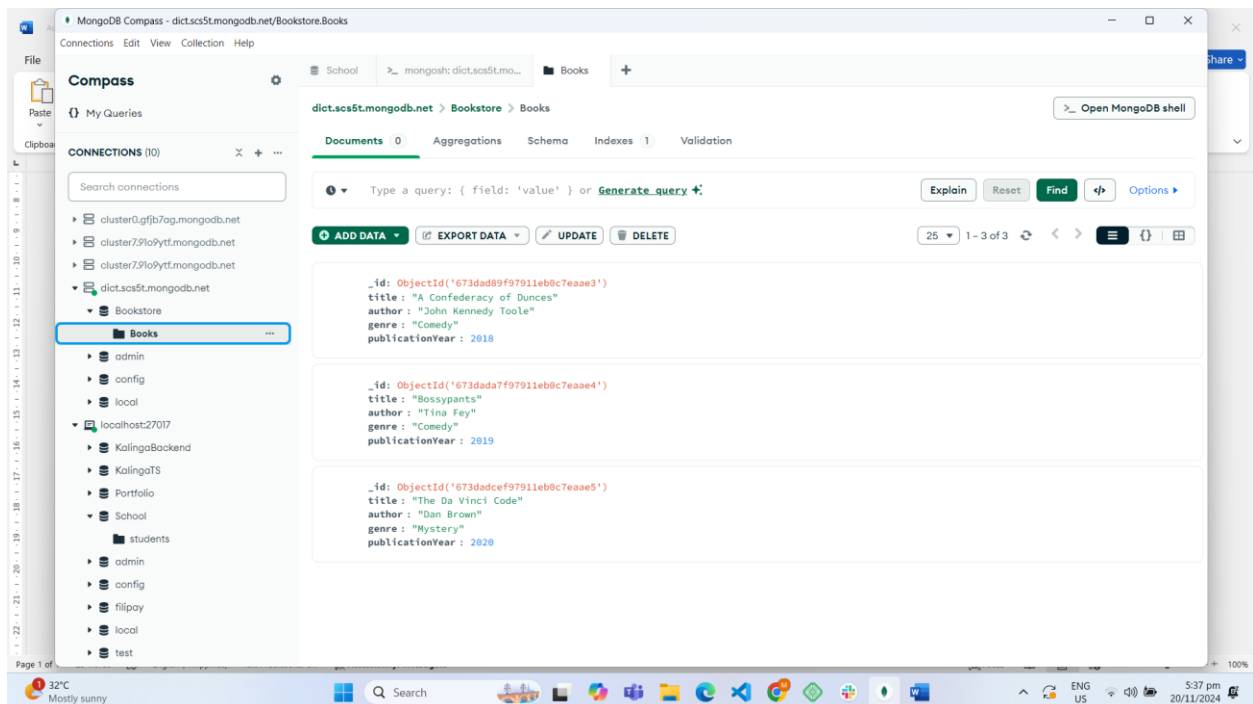
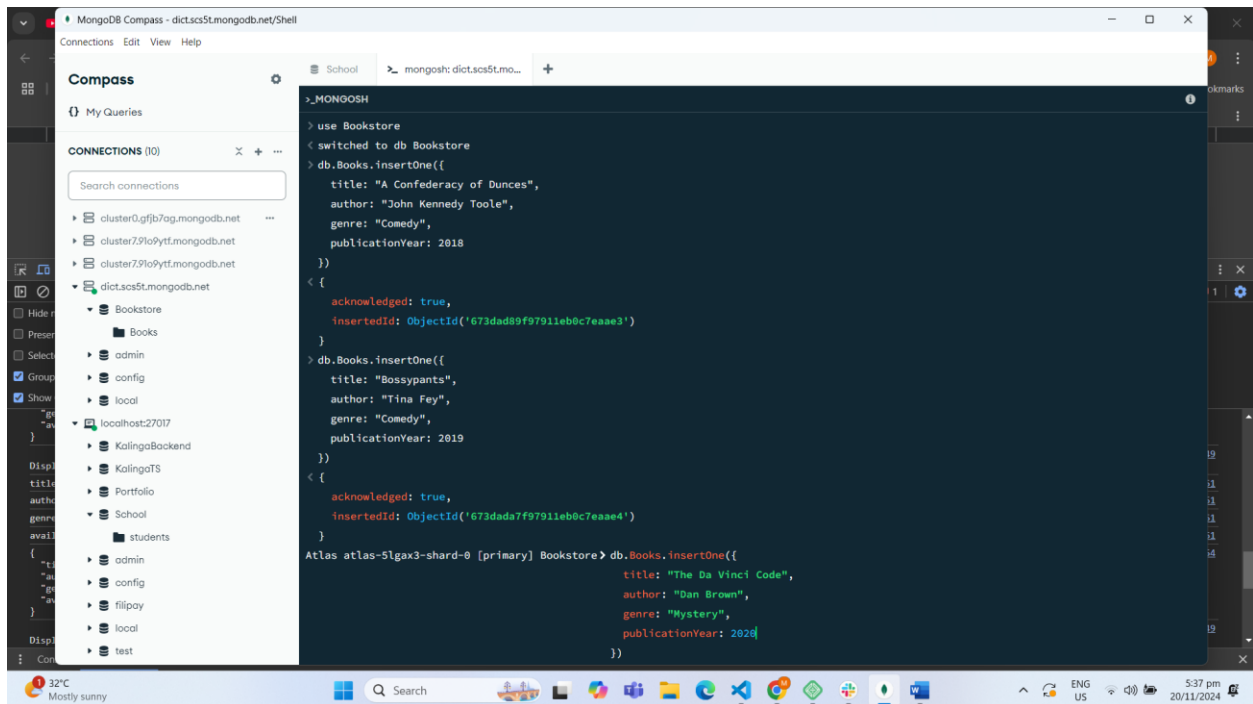


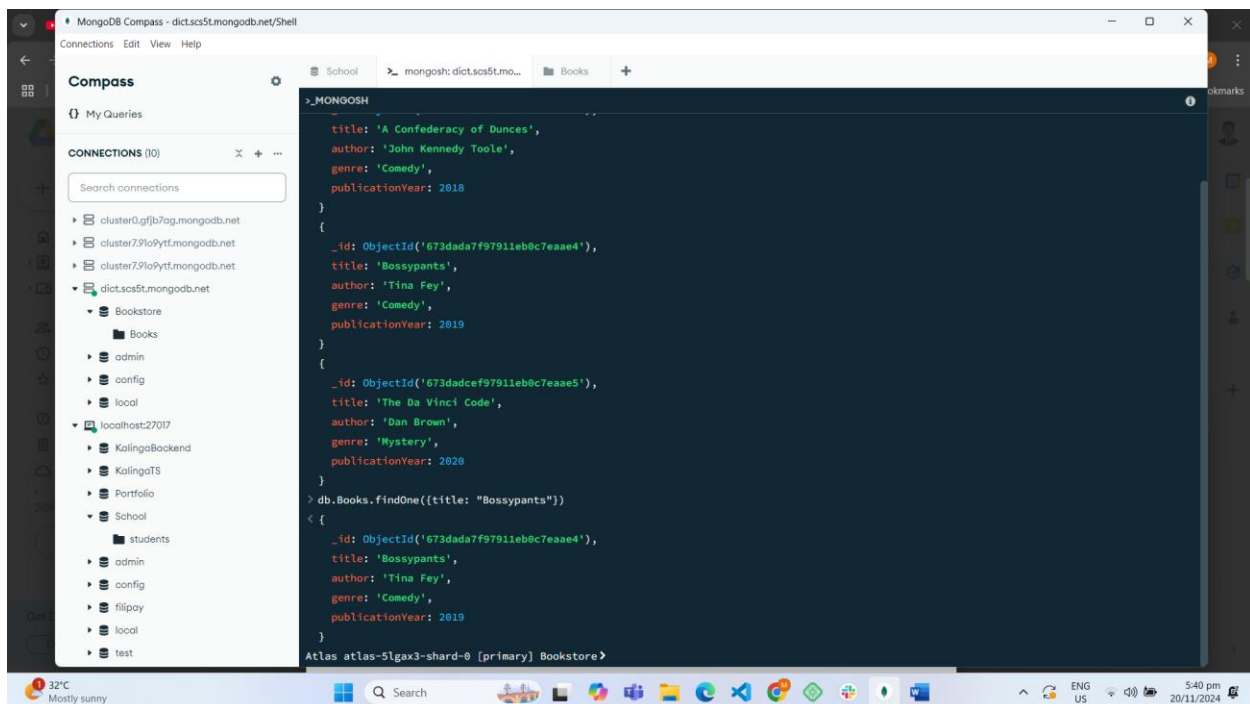
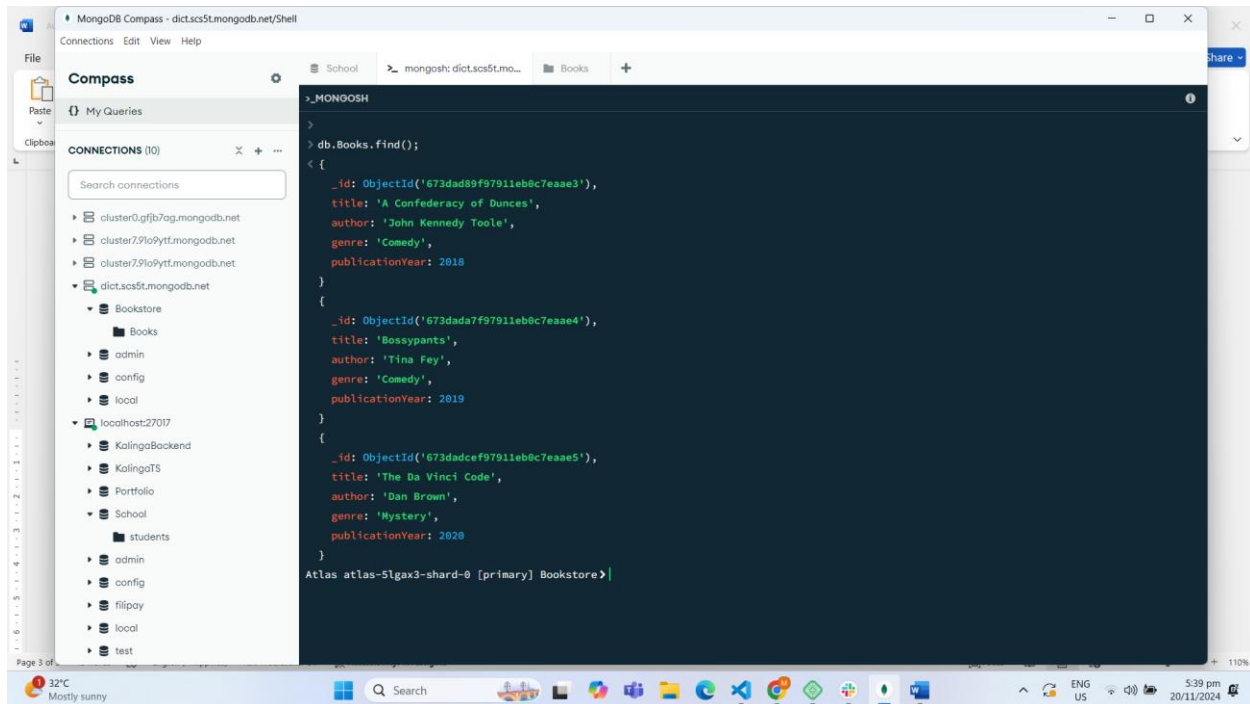
Activity 1: CRUD Operations Practice



a) Create Operation: Insert at least three book documents with different fields such as title, author, genre, and publication year.



b) Read Operation: Retrieve all the book documents in the "Books" collection. Retrieve a specific book document based on its title or author.



c) Update Operation: Update the genre of a book document. Update the publication year of a book document.

Genre

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with 'dict.scs5t.mongodb.net' selected, showing collections like 'Books', 'admin', 'config', 'local', 'localhost:27017', 'KalingaBackend', 'KalingaTS', 'Portfolio', 'School', 'students', 'admin', 'config', 'filipay', 'local', and 'test'. The main panel shows a MongoDB shell session with the following commands and results:

```
> _MONGOSH
{
  "_id": ObjectId('673dadcef97911eb0c7eaae5'),
  "title": 'The Da Vinci Code',
  "author": 'Dan Brown',
  "genre": 'Mystery',
  "publicationYear": 2020
}

> db.Books.findOneAndUpdate(
  {title: 'Bossypants'},
  {$set: {genre: 'Horror'}}
)
{
  "_id": ObjectId('673dada7f97911eb0c7eaae4'),
  "title": 'Bossypants',
  "author": 'Tina Fey',
  "genre": 'Comedy',
  "publicationYear": 2019
}

> db.Books.findOne({genre: 'Horror'})
{
  "_id": ObjectId('673dada7f97911eb0c7eaae4'),
  "title": 'Bossypants',
  "author": 'Tina Fey',
  "genre": 'Horror',
  "publicationYear": 2019
}
```

The status bar at the bottom indicates 'Atlas atlas-5lgax3-shard-0 [primary] Bookstore'.

Publication Year

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with 'dict.scs5t.mongodb.net' selected, showing collections like 'Books', 'admin', 'config', 'local', 'localhost:27017', 'KalingaBackend', 'KalingaTS', 'Portfolio', 'School', 'students', 'admin', 'config', 'filipay', 'local', and 'test'. The main panel shows a MongoDB shell session with the following commands and results:

```
> _MONGOSH
{
  "_id": ObjectId('673dadcef97911eb0c7eaae5'),
  "title": 'The Da Vinci Code',
  "author": 'Dan Brown',
  "genre": 'Mystery',
  "publicationYear": 2020
}

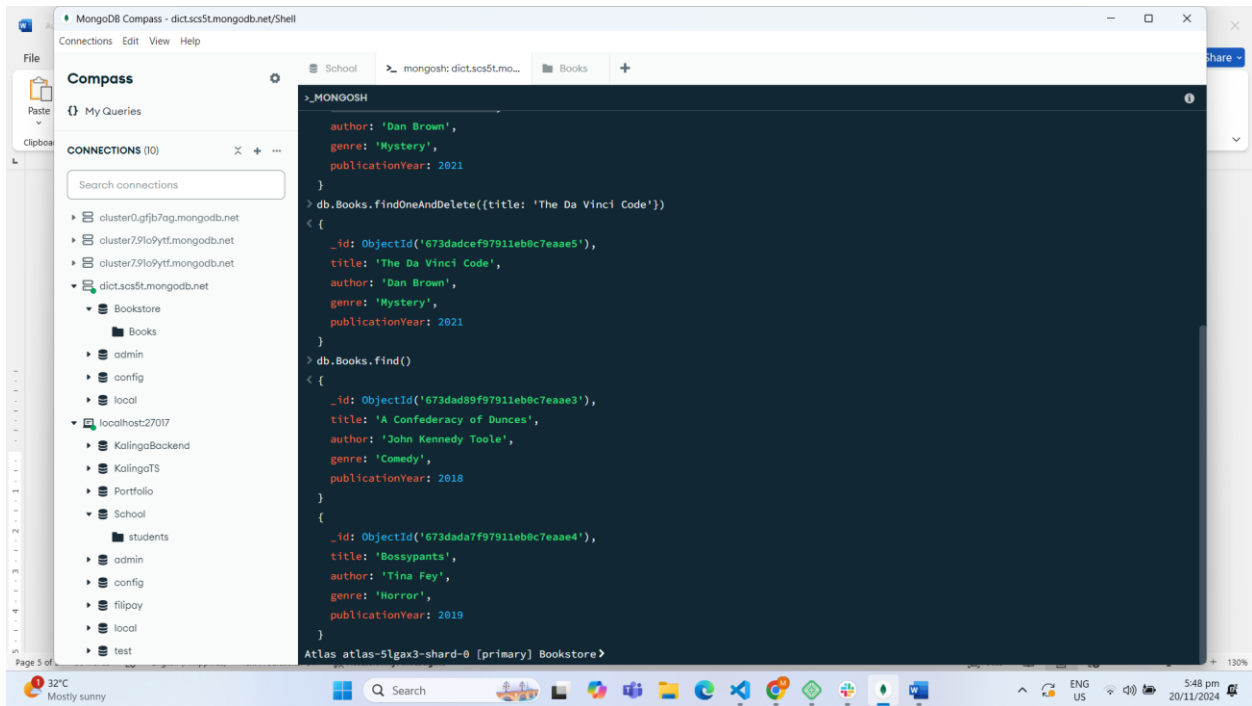
> db.Books.findOneAndUpdate(
  {title: 'The Da Vinci Code'},
  {$set: {publicationYear: 2021}}
)
{
  "_id": ObjectId('673dadcef97911eb0c7eaae5'),
  "title": 'The Da Vinci Code',
  "author": 'Dan Brown',
  "genre": 'Mystery',
  "publicationYear": 2020
}

> db.Books.findOne({title: 'The Da Vinci Code'})
{
  "_id": ObjectId('673dadcef97911eb0c7eaae5'),
  "title": 'The Da Vinci Code',
  "author": 'Dan Brown',
  "genre": 'Mystery',
  "publicationYear": 2021
}
```

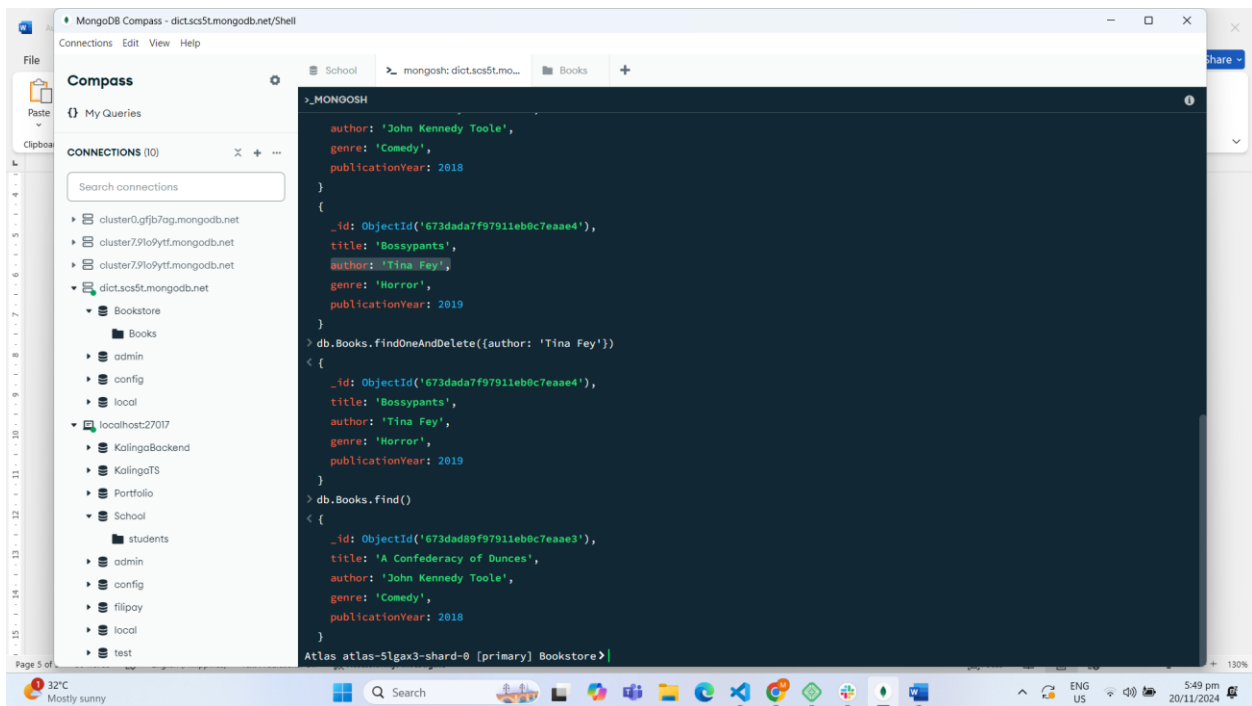
The status bar at the bottom indicates 'Atlas atlas-5lgax3-shard-0 [primary] Bookstore'.

d) Delete Operation: Delete a book document based on its title or author. After each operation, verify the changes by re-reading the data from the "Books" collection.

title



Author



DELETE DATABASE FROM ATLAS

