

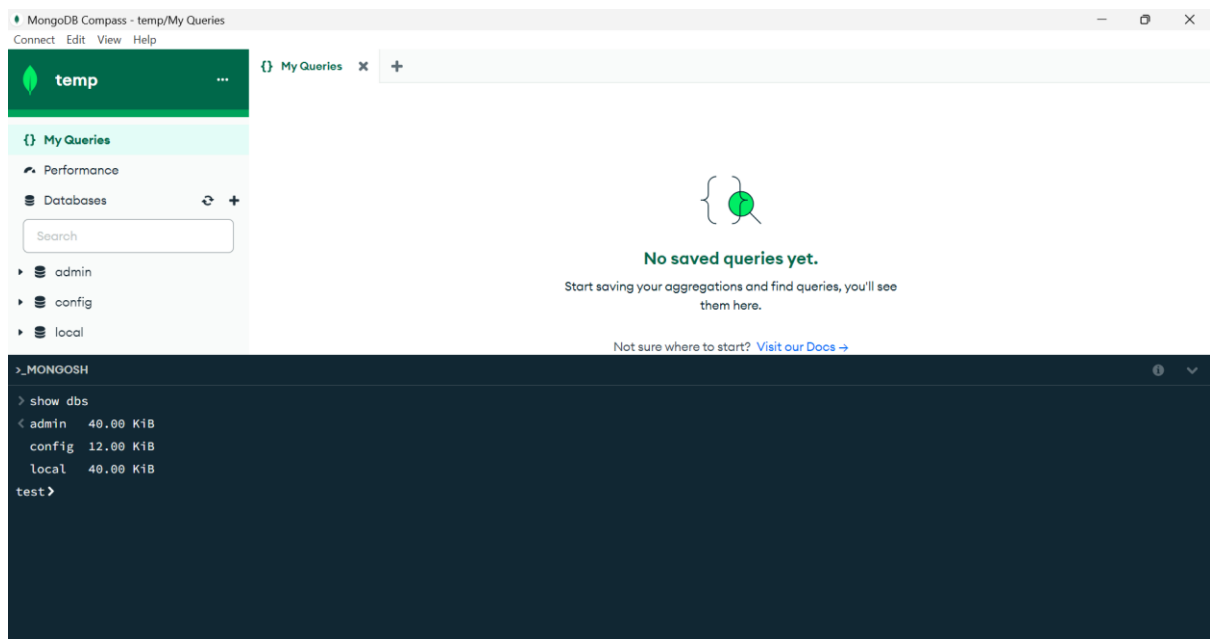
SCOPE / CSE2015\_VL2023240700503 / Exercise - MongoDB

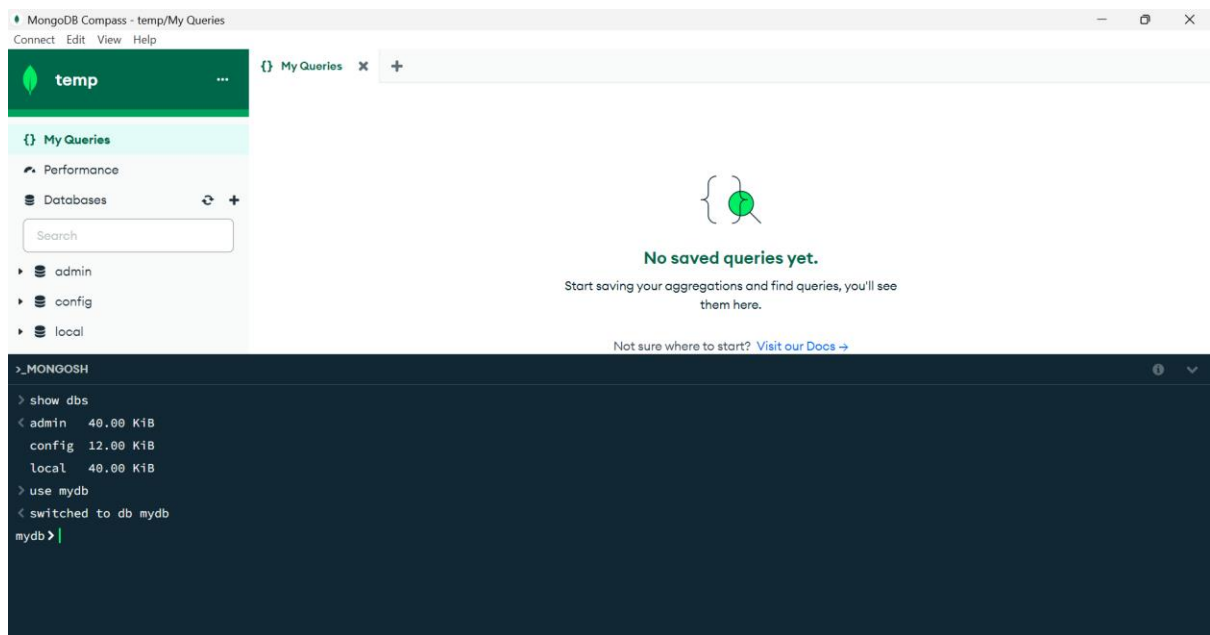


## Exercise - MongoDB

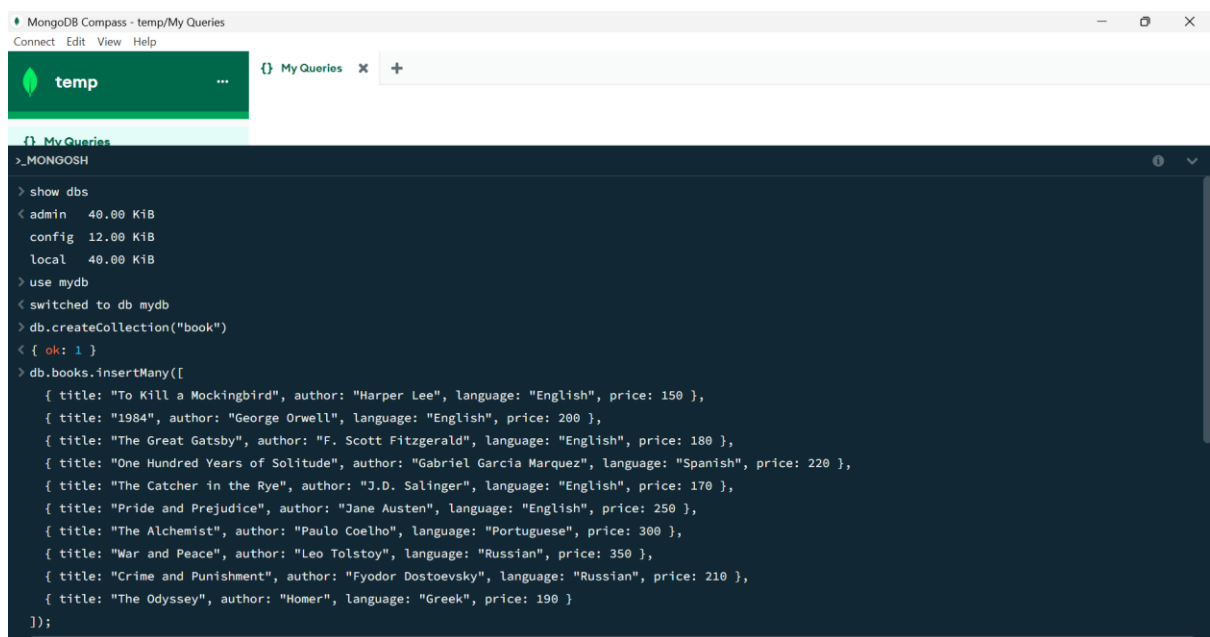
**Opened:** Tuesday, 25 June 2024, 12:00 AM**Due:** Tuesday, 25 June 2024, 11:50 PM

- 1) Create a book collection with the following attributes: title, author, language, price
- 2) Insert 10 records in the collection
- 3) list all the values
- 4) Select only the title
- 5) Select the books written in English language
- 6) List the details of the books with price greater than 200.

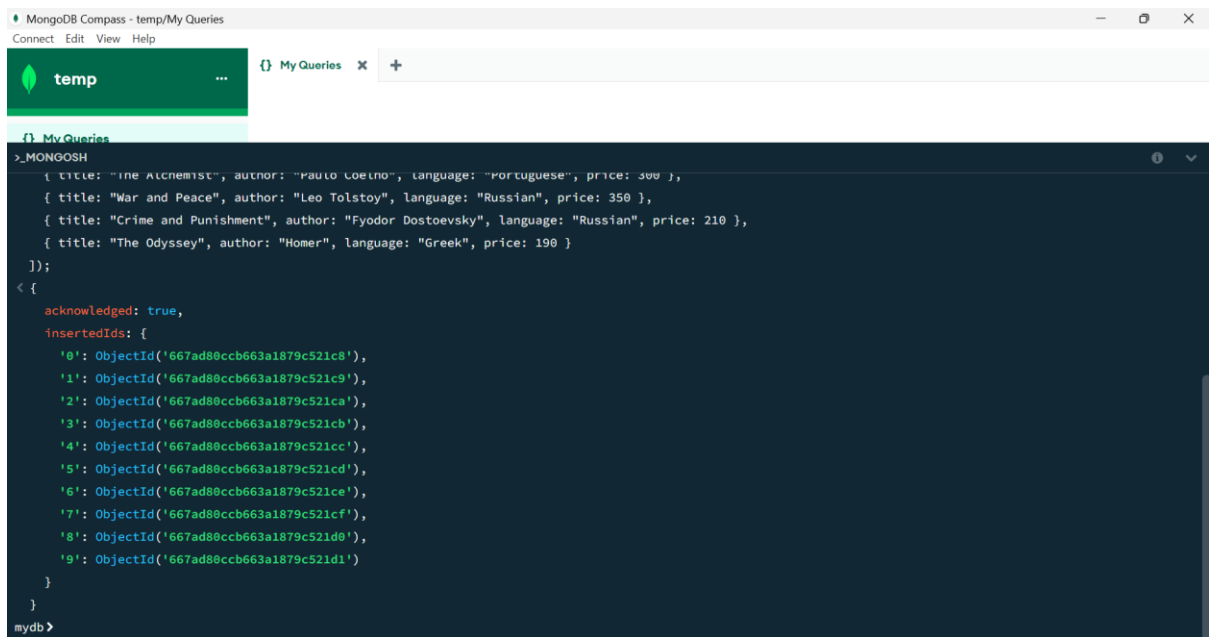




1.



2.

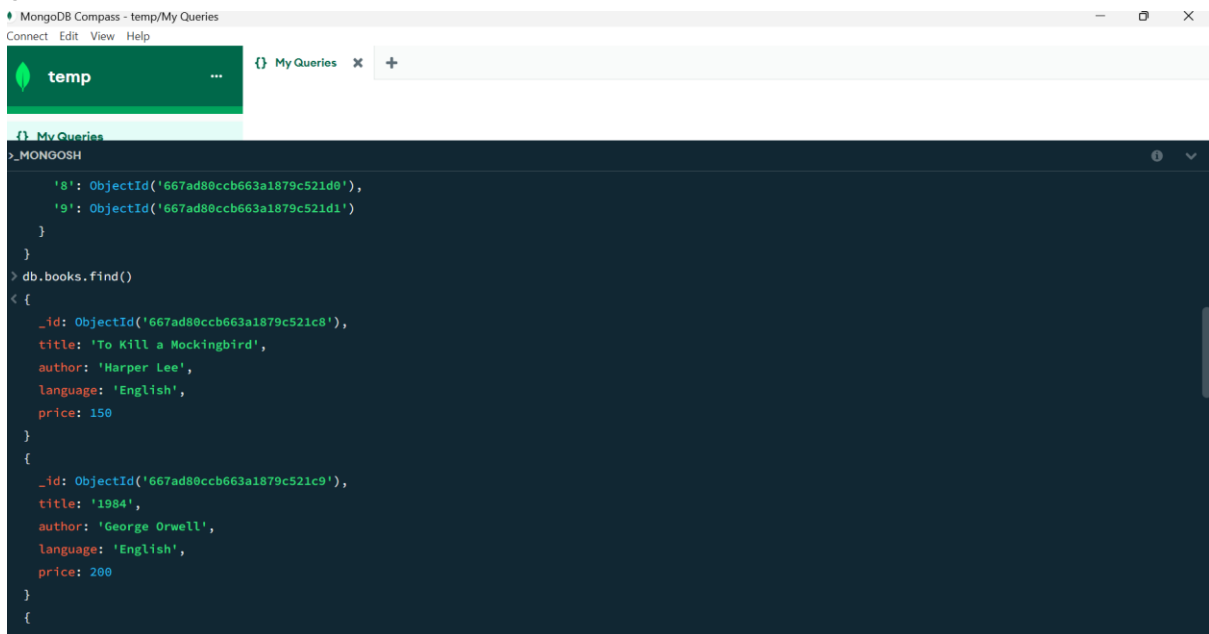


```
MongoDB Compass - temp/My Queries
Connect Edit View Help

temp ... {} My Queries x +

{} My Queries
>_MONGOSH
{ title: "The Alchemist", author: "Paulo Coelho", language: "Portuguese", price: 300 },
{ title: "War and Peace", author: "Leo Tolstoy", language: "Russian", price: 350 },
{ title: "Crime and Punishment", author: "Fyodor Dostoevsky", language: "Russian", price: 210 },
{ title: "The Odyssey", author: "Homer", language: "Greek", price: 190 }
});
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('667ad80ccb663a1879c521c8'),
    '1': ObjectId('667ad80ccb663a1879c521c9'),
    '2': ObjectId('667ad80ccb663a1879c521ca'),
    '3': ObjectId('667ad80ccb663a1879c521cb'),
    '4': ObjectId('667ad80ccb663a1879c521cc'),
    '5': ObjectId('667ad80ccb663a1879c521cd'),
    '6': ObjectId('667ad80ccb663a1879c521ce'),
    '7': ObjectId('667ad80ccb663a1879c521cf'),
    '8': ObjectId('667ad80ccb663a1879c521d0'),
    '9': ObjectId('667ad80ccb663a1879c521d1')
  }
}
mydb>
```

3.



```
MongoDB Compass - temp/My Queries
Connect Edit View Help

temp ... {} My Queries x +

{} My Queries
>_MONGOSH
'8': ObjectId('667ad80ccb663a1879c521d0'),
'9': ObjectId('667ad80ccb663a1879c521d1')
}
}
> db.books.find()
< {
  _id: ObjectId('667ad80ccb663a1879c521c8'),
  title: 'To Kill a Mockingbird',
  author: 'Harper Lee',
  language: 'English',
  price: 150
}
{
  _id: ObjectId('667ad80ccb663a1879c521c9'),
  title: '1984',
  author: 'George Orwell',
  language: 'English',
  price: 200
}
{
  _id: ObjectId('667ad80ccb663a1879c521ca'),
  title: 'The Great Gatsby',
  author: 'F. Scott Fitzgerald',
  language: 'English',
  price: 180
}
```

4.

```
> db.books.find({}, { title: 1, _id: 0 });
< {
  title: 'To Kill a Mockingbird'
}
{
  title: '1984'
}
{
  title: 'The Great Gatsby'
}
{
  title: 'One Hundred Years of Solitude'
}
{
  title: 'The Catcher in the Rye'
}
{
}
```

5.

```
> db.books.find({ language: "English" });
< {
  _id: ObjectId('667ad80ccb663a1879c521c8'),
  title: 'To Kill a Mockingbird',
  author: 'Harper Lee',
  language: 'English',
  price: 150
}
{
  _id: ObjectId('667ad80ccb663a1879c521c9'),
  title: '1984',
  author: 'George Orwell',
  language: 'English',
  price: 200
}
{
}
```

6.

```
> db.books.find({ price: { $gt: 200 } });
< {
  _id: ObjectId('667ad80ccb663a1879c521cb'),
  title: 'One Hundred Years of Solitude',
  author: 'Gabriel Garcia Marquez',
  language: 'Spanish',
  price: 220
}
{
  _id: ObjectId('667ad80ccb663a1879c521cd'),
  title: 'Pride and Prejudice',
  author: 'Jane Austen',
  language: 'English',
  price: 250
}
{
}
```