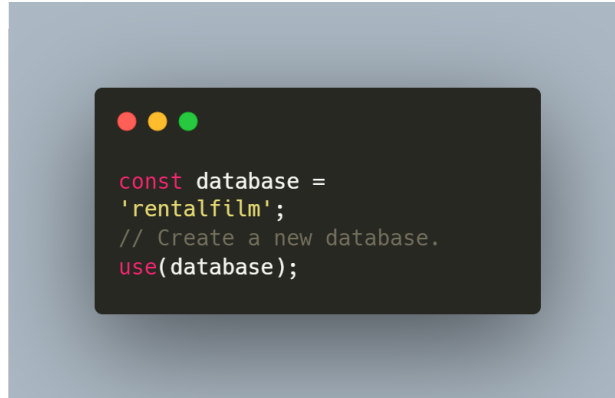


## Praktikum Basis Data Lanjut

### Tugas - 3

1. Buatlah database rentalfilm di mongoDB seperti yang telah dilakukan di pertemuan pertama.



2. Masukkan tiga buah data di setiap collections pada database rentalfilm menggunakan query.

#### 1) Category Collections

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421aac4492aa3bf57826f01"),
    '1': ObjectId("6421aac4492aa3bf57826f02"),
    '2': ObjectId("6421aac4492aa3bf57826f03")
  }
}
```

```
_id: ObjectId('6421a98bc36ca257f49d8763')
ID: 123
Name: "Drama"
Last_Update: 2023-03-27T14:34:51.829+00:00
```

```
_id: ObjectId('6421a98bc36ca257f49d8764')
ID: 456
Name: "Adventure"
Last_Update: 2023-03-27T14:34:51.830+00:00
```

```
_id: ObjectId('6421a98bc36ca257f49d8765')
ID: 789
Name: "Slice of life"
Last_Update: 2023-03-27T14:34:51.830+00:00
```

## 2) Film\_Category Collections

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421ada8492aa3bf57826f04"),
    '1': ObjectId("6421ada8492aa3bf57826f05"),
    '2': ObjectId("6421ada8492aa3bf57826f06")
  }
}
```

## 3) Film Collections

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421aff7492aa3bf57826f07"),
    '1': ObjectId("6421aff7492aa3bf57826f08"),
    '2': ObjectId("6421aff7492aa3bf57826f09")
  }
}
```

## 4) Inventory Collections

```
mongosh mongodb://127.0.0.1:27027
2 |
rentalfilm> db.Inventory.insertMany([
  {ID: 001, FilmID: 01010101, Last_Update: ISODate()}, {ID: 002, FilmID: 020202, Last_Update: ISODate()}, {ID: 003, FilmID: 03030303, Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b1c2492aa3bf57826f0a"),
    '1': ObjectId("6421b1c2492aa3bf57826f0b"),
    '2': ObjectId("6421b1c2492aa3bf57826f0c")
  }
}
rentalfilm>
```

## 5) Language Collections

```
rentalfilm> db.Language.insertMany([
  {ID: 001, Name: "wendy weibac", Last_Update: ISODate()}, {ID: 002, Name: "puerto luna", Last_Update: ISODate()}, {ID: 003, Name: "laguna seca", Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b2e1492aa3bf57826f0d"),
    '1': ObjectId("6421b2e1492aa3bf57826f0e"),
    '2': ObjectId("6421b2e1492aa3bf57826f0f")
  }
}
rentalfilm>
```

## 6) Film\_Actor Collections

```
rentalfilm> db.Film_Actor.insertMany([
  {FilmID: 00212121, ActorID: 232323232, Last_Update: ISODate()}, {FilmID: 002323222, ActorID: 28282828, Last_Update: ISODate()}, {FilmID: 2121212, ActorID: 282828222, Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b3db492aa3bf57826f10"),
    '1': ObjectId("6421b3db492aa3bf57826f11"),
    '2': ObjectId("6421b3db492aa3bf57826f12")
  }
}
rentalfilm>
```

## 7) Rental Collections

```
rentalfilm> db.Rental.insertMany([
  {ID: 29292929, StaffID: 27382738, CustomerID: 30430439, InventoryID: 893839393, Rental_Date: ISODate(), Return_Date: ISODate(), Last_Update: ISODate()},
  {ID: 21292929, StaffID: 21382738, CustomerID: 31430439, InventoryID: 893139393, Rental_Date: ISODate(), Return_Date: ISODate(), Last_Update: ISODate()},
  {ID: 23292929, StaffID: 23382738, CustomerID: 33430439, InventoryID: 833839393, Rental_Date: ISODate(), Return_Date: ISODate(), Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b501492aa3bf57826f13"),
    '1': ObjectId("6421b501492aa3bf57826f14"),
    '2': ObjectId("6421b501492aa3bf57826f15")
  }
}
rentalfilm>
```

## 8) Payment Collections

```
rentalfilm> db.Payment.insertMany([
  {ID: 273117328, RentalID: 2729211929, CustomerID: 2983923119, StaffID: 2981138922, Amount: 9.000, Payment_Date: ISODate()},
  {ID: 272287328, RentalID: 2729292229, CustomerID: 2982223829, StaffID: 2982238922, Amount: 29.000, Payment_Date: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b5f2492aa3bf57826f16"),
    '1': ObjectId("6421b5f2492aa3bf57826f17"),
    '2': ObjectId("6421b5f2492aa3bf57826f18")
  }
}
rentalfilm>
```

## 9) Staff Collections

```
rentalfilm> db.Staff.insertMany([
  {ID: 223117328, AddressID: 2229211929, StoreID: 2983922119, PaymentID: 282922229, First_Name: "yanto", Last_Name: "eru", Email: "yantieru@gmail.com", Active: 'Y', Username: "ery_12", Password: "emirusama", Last_Update: ISODate(), Picture_URL: "yanto.png"},
  {ID: 273117328, AddressID: 2729211929, StoreID: 2983923119, PaymentID: 282922929, First_Name: "erick", Last_Name: "ludwick", Email: "ericks@gmail.com", Active: 'Y', Username: "erick123", Password: "ericakala", Last_Update: ISODate(), Picture_URL: "erick.png"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b8b7492aa3bf57826f1a"),
    '1': ObjectId("6421b8b7492aa3bf57826f1b")
  }
}
rentalfilm>
```

## 10) Actor Collections

```
rentalfilm> db.Actor.insertMany([
  {ID: 292892222, First_Name: "erhanafe", Last_Name: "erihaina", Last_Update: ISODate()},
  {ID: 292894422, First_Name: "eriyadi", Last_Name: "enzoana", Last_Update: ISODate()},
  {ID: 2928925533, First_Name: "enha", Last_Name: "Ferreira", Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421b9d8492aa3bf57826f1c"),
    '1': ObjectId("6421b9d8492aa3bf57826f1d"),
    '2': ObjectId("6421b9d8492aa3bf57826f1e")
  }
}
rentalfilm>
```

## 11) Store Collections

```
rentalfilm> db.Store.insertMany([
  {ID: 292892222, AddressID: 292892222, Last_Update: ISODate()},
  {ID: 255353533, AddressID: 3893839493, Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421ba81492aa3bf57826f1f"),
    '1': ObjectId("6421ba81492aa3bf57826f20"),
    '2': ObjectId("6421ba81492aa3bf57826f21")
  }
}
rentalfilm>
```

## 12) Country Collections

```
rentalfilm> db.Country.insertMany([
  {ID: 2922292222, Country: "New Zealand", Last_Update: ISODate()},
  {ID: 292833222, Country: "Cambodia", Last_Update: ISODate()},
  {ID: 255892222, Country: "Camerun", Last_Update: ISODate()}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421bb0e492aa3bf57826f22"),
    '1': ObjectId("6421bb0e492aa3bf57826f23"),
    '2': ObjectId("6421bb0e492aa3bf57826f24")
  }
}
rentalfilm>
```

## 13) City Collections

```
rentalfilm> db.City.insertMany([
  {ID: 2922292222, CountryID: 2922222222, City: "boger", Last_Update: ISODate()},
  {ID: 292844222, CountryID: 2922292222, City: "boger", Last_Update: ISODate()}],
  {ID: 292844222, CountryID: 2922292222, City: "jakarta", Last_Update: ISODate()},
  {ID: 255866222, CountryID: 2922292222, City: "amsterdam", Last_Update: ISODate()})
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421bbe9492aa3bf57826f25"),
    '1': ObjectId("6421bbe9492aa3bf57826f26"),
    '2': ObjectId("6421bbe9492aa3bf57826f27")
  }
}
rentalfilm>
```

## 14) Address Collections

```
rentalfilm> db.City.insertMany([
  {ID: 2922292222, CityID: 2922222222, Address: "jalan kenanga", Address2: "jalan anggrek", District: 1312192812, Postal_Code: 12782121, Phone: 0228928229, Last_Update: ISODate()},
  {ID: 292844552, CityID: 292225522, Address: "jalan dukuh", Address2: "jalan dukuh no.53", District: 1312342812, Postal_Code: 14482121, Phone: 0228448229, Last_Update: ISODate()}],
  {ID: 255866222, CityID: 292244222, Address: "jalan mawar", Address2: "jalan kembang", District: 1333192812, Postal_Code: 12332121, Phone: 0233928229, Last_Update: ISODate()})
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421bd21492aa3bf57826f28"),
    '1': ObjectId("6421bd21492aa3bf57826f29"),
    '2': ObjectId("6421bd21492aa3bf57826f2a")
  }
}
rentalfilm>
```

## 15) Customer Collections

```
rentalfilm> db.Customer.insertMany([
  {ID: 2922292222, AddressID: 2328223, AddressColumn: 28728328, First_Name: "whehwn", Last_Name: "wjujwuj", Email: "wawaw@gmail.com", Active: "Y", Create_Date: ISODate(), Last_Update: ISODate()},
  {ID: 2928445332, AddressID: 2323223, AddressColumn: 28733328, First_Name: "jatniko", Last_Name: "nmarko", Email: "nmarko@gmail.com", Active: "Y", Create_Date: ISODate(), Last_Update: ISODate()}],
  {ID: 255866222, AddressID: 23228223, AddressColumn: 28722228, First_Name: "elsa", Last_Name: "rhina", Email: "elsa@gmail.com", Active: "Y", Create_Date: ISODate(), Last_Update: ISODate()})
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6421be57492aa3bf57826f2b"),
    '1': ObjectId("6421be57492aa3bf57826f2c"),
    '2': ObjectId("6421be57492aa3bf57826f2d")
  }
}
rentalfilm>
```

3. Lakukan minimal dua buah query update data dan delete data.

```
rentalfilm> db.Customer.updateMany({ID: 2922292222},{$set:{firstname: "Jane"}}, {ID: 2928445332},{$set:{firstname: "Yarn"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
rentalfilm> db.Customer.deleteMany({ID: 2922292222}, {ID: 2928445332})
{ acknowledged: true, deletedCount: 1 }
rentalfilm>
```