Practical – 9

Mongodb CRUD Operations-2

Create a dataset for books with the following details.

```
_id, item, stock, info (Operation, warranty_years), tags, ratings (by, rating)

Sample data:
    "_id" : 1,
    "item" : "Microwave oven",
    "brand" : "Samsung"
    "stock" : 20,
    "info" : { "operation" : "manual", "warranty_years" : 2 },
    "tags" : [ "grill", "ceramic" ],
    "ratings": [{ "by" : "Jim", "rating" : 4 }, { "by" : "Tom", "rating" : 5 }],
```

Perform the following operations

1. Insert multiple data using insertMany command.
2. Display the average rating for item "Microwave oven" of "LG"
3. Display the list of brands available in the TELEVISION
4. Display list of Toaster with automatic operation and warranty less than 2 years
5. Update the stock of the product Whirlpool washing machine with +10
6. Insert two records of ratings 3.5 and 1 respectively for the product Samsung refrigerator double door 365 liter. Display the updated average rating for the same
7. Display the details of ratings sorted by item name
8. Display items with stock less than or equal to 5
9. Display televisions and refrigerator whose brand is Samsung or ratings is greater than 3
10. Display the details of the Toaster having the highest rating
11. Display the details of the Toaster having the highest average rating
12. Change the warranty period for the grill microwave oven of IFB to 1 year
13. Delete the data of the 42" plasma television of all brands