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: Online Bookstore Database
Context:
An online bookstore wants to manage books, authors, and price data.
Collection: books
Sample Document:
"title": "The MongoDB Guide",
"author": "Ravi Joshi",
"price": 499,
"category": "Database",
"ratings": [4, 5, 5, 3]
}
Tasks:
1. Insert 5 books with details like title, author, price, category, and rating
2. Find all books priced under ₹500.
3. Update the price of a book titled "The MongoDB Guide" to ₹450.
4. Delete all books from category "Old Stock".
5. Use aggregation to calculate the average rating per book.
-- Step 1: Create / Use the Database
use bookstore
-- Step 2: Create the books Collection (Automatically created on insert)
db.createCollection("books")
-- Step 3: Insert 5 Books with Details
db.books.insertMany([
  {
    title: "The MongoDB Guide",
    author: "Ravi Joshi",
    price: 499,
    category: "Database",
    ratings: [4, 5, 5, 3]
  },
   title: "Learn Python Programming",
    author: "Alice Williams",
    price: 350,
   category: "Programming",
    ratings: [5, 4, 4, 5]
 },
    title: "Mastering JavaScript",
    author: "Bob Smith",
    price: 650,
```

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category: "Programming",
    ratings: [3, 4, 4, 4]
  },
  {
   title: "The Art of Web Design",
    author: "Charles Green",
    price: 750,
   category: "Design",
    ratings: [5, 5, 5, 5]
  },
  {
    title: "Old Stock Book",
    author: "Jane Doe",
    price: 200,
   category: "Old Stock",
    ratings: [2, 3, 2, 1]
 }
1)
-- Step 4: Find All Books Priced Under ₹500
db.books.find({ price: { $1t: 500 } })
-- Step 5: Update the Price of a Book Titled "The MongoDB Guide" to ₹450
db.books.updateOne(
  { title: "The MongoDB Guide" },
  { $set: { price: 450 } }
)
-- Step 6: Delete All Books from Category "Old Stock"
db.books.deleteMany({ category: "Old Stock" })
-- Step 7: Use Aggregation to Calculate the Average Rating per Book
db.books.aggregate([
  {
    $project: {
      title: 1,
      avg_rating: { $avg: "$ratings" }
    }
 }
1)
```