. Assignment No. 2

Microsoft Windows [Version 10.0.22631.4317]

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C:\Users\ASHOK>mongosh

Current Mongosh Log ID: 670c8b7232f6bd068f86b01c

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.3.2

Using MongoDB: 8.0.1

Using Mongosh: 2.3.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

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The server generated these startup warnings when booting

2024-10-13T21:22:53.946+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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test> use yourDatabaseName;

yourDatabaseName> db.sales.insertMany([

... { item: "apple", quantity: 10, price: 2.00, date: new Date("2023-10-01") },

... { item: "banana", quantity: 5, price: 1.50, date: new Date("2023-10-02") },

... { item: "apple", quantity: 20, price: 2.00, date: new Date("2023-10-03") },

... { item: "banana", quantity: 10, price: 1.50, date: new Date("2023-10-04") }

... ]);

{

acknowledged: true,

insertedIds: {

'0': ObjectId('670c8bd932f6bd068f86b021'),

'1': ObjectId('670c8bd932f6bd068f86b022'),

'2': ObjectId('670c8bd932f6bd068f86b023'),

'3': ObjectId('670c8bd932f6bd068f86b024')

}

}

yourDatabaseName> db.sales.createIndex({ item: 1 });

item\_1

yourDatabaseName> db.sales.aggregate([

... {

... $group: {

... \_id: "$item",

... totalRevenue: { $sum: { $multiply: ["$quantity", "$price"] } }

... }

... },

... {

... $sort: { totalRevenue: -1 }

... }

... ]);

[

{ \_id: 'apple', totalRevenue: 120 },

{ \_id: 'banana', totalRevenue: 45 }

]