5 - DAY - TASK (31-07-2024)

 Insert documents into a sales collection with fields such as item, quantity, price, and date:

Query & Output:

```
> db.sales.insertMany([
    { item: "item1", quantity: 10, price: 100, date: new Date("2024-01-15") },
    { item: "item2", quantity: 5, price: 200, date: new Date("2024-01-18") },
    { item: "item1", quantity: 15, price: 100, date: new Date("2024-02-20") },
    { item: "item3", quantity: 20, price: 300, date: new Date("2024-02-25") }
]);
    {
        acknowledged: true,
        insertedIds: {
            '0': ObjectId('66aa6010ca9aee7a3f5fdbc0'),
            '1': ObjectId('66aa6010ca9aee7a3f5fdbc1'),
            '2': ObjectId('66aa6010ca9aee7a3f5fdbc2'),
            '3': ObjectId('66aa6010ca9aee7a3f5fdbc3')
      }
}
```

2. Calculate the total sales amount for each item:

Query & Output:

3. Find the average quantity sold per item:

Query & Output:

```
db.sales.aggregate([

{
    $group: {
        id: "$item",
        averageQuantitySold: { $avg: "$quantity" }
    }
    }
}

j);

{
        id: 'item1',
        averageQuantitySold: 12.5
}

{
        id: 'item3',
        averageQuantitySold: 20
}

{
        id: 'item2',
        averageQuantitySold: 5
}
Sanjeev > |
```

4. Group sales by month and calculate the total sales for each month and sort from the largest value:

Query & Output:

5. Display which year has the maximum sales:

Query & Output: