Calculate Total Sales for Each Order.

db.orders.aggregate([

{

$unwind: "$products"

},

{

$group: {

\_id: "$\_id",

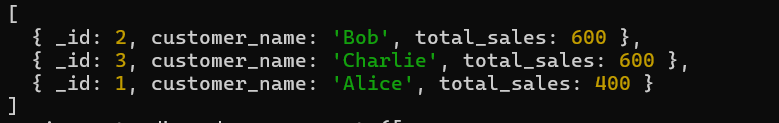
customer\_name: { $first: "$customer\_name" },

total\_sales: { $sum: { $multiply: ["$products.price", "$products.quantity"] } }

}

}

])



Calculate Average Order Value for Completed Orders.

db.orders.aggregate([

{

$match: { status: "Completed" }

},

{

$unwind: "$products"

}, {

$group: {

\_id: "$\_id",

total\_order\_value: { $sum: { $multiply: ["$products.price", "$products.quantity"] } }

}

},

{

$group: {

\_id: null,

average\_order\_value: { $avg: "$total\_order\_value" }}}])



Find the Maximum Quantity Sold per Product.

db.orders.aggregate([

{ $unwind: "$products" },

{

$group: {

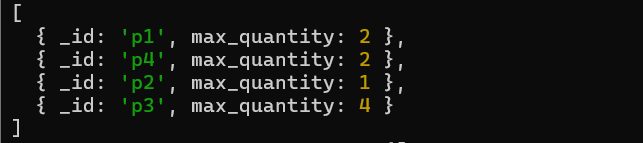
\_id: "$products.product\_id",

max\_quantity: { $max: "$products.quantity" }

}

}

])



Find Total Number of Orders for Each Status.

db.orders.aggregate([

{

$group: {

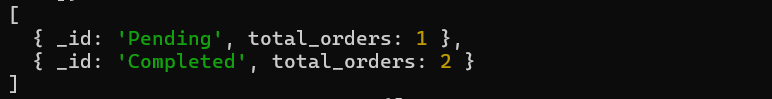
\_id: "$status",

total\_orders: { $sum: 1 }

}

}

])



Calculate Total Quantity of Products Sold Across All Orders.

db.orders.aggregate([

{ $unwind: "$products" },

{

$group: {

\_id: null,

total\_quantity: { $sum: "$products.quantity" }

}

}

])



Get Minimum and Maximum Order Dates.

db.orders.aggregate([

{

$group: {

\_id: null,

min\_date: { $min: "$order\_date" },

max\_date: { $max: "$order\_date" }

}

}

])



Find Total Sales for Each Customer.

db.orders.aggregate([

{

$unwind: "$products"

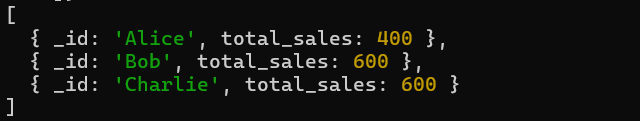
},

{

$group: {

\_id: "$customer\_name",

total\_sales: { $sum: { $multiply: ["$products.price", "$products.quantity"] } } }}])



Calculate the Total Number of Distinct Products Sold.

db.orders.aggregate([

{ $unwind: "$products" },

{

$group: {

\_id: "$products.product\_id"

}

},

{

$group: {

\_id: null,

distinct\_products: { $sum: 1 }

}

}

])

