MongoDB Assignment 4

1. Calculate Total Sales for Each Order.

0. Calculate Average Order Value for Completed Orders.

```
... ]);
[ { _id: null, avg_order_value: 500 } ]
salesDB> _
```

0. Find the Maximum Quantity Sold per Product.

O. Find Total Number of Orders for Each Status. db.orders.aggregate([{\$group:{_id:"\$status", no_of_orders:{\$sum:1}}}])

```
salesDB> db.orders.aggregate([{$group:{_id:"$status",
... no_of_orders:{$sum:1}}}])
[
{ _id: 'Pending', no_of_orders: 1 },
{ _id: 'Completed', no_of_orders: 2 }
]
```

O. 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([{\$sort:{"order_date":-1}},

```
{$group:{_id:null,
max_date:{$first:"$order_date"},
min_date:{$last:"$order_date"}}}])
```

0. Find Total Sales for Each Customer.

0. Calculate the Total Number of Distinct Products Sold.

```
salesDB> db.orders.aggregate([{$unwind:"$products"},
... {$group:{_id:"$products.product_id"}},
... {$group:{_id:null,distinct_products_sold:{$sum:1}}}])
[ { _id: null, distinct_products_sold: 4 } ]
```