db.Orders.insertMany([

{ cust\_id: "C1", product: "Product1", price: 100, status: "A" },

{ cust\_id: "C1", product: "Product2", price: 150, status: "A" },

{ cust\_id: "C2", product: "Product1", price: 200, status: "B" },

{ cust\_id: "C2", product: "Product3", price: 300, status: "A" },

{ cust\_id: "C3", product: "Product2", price: 400, status: "A" },

{ cust\_id: "C3", product: "Product3", price: 500, status: "A" },

{ cust\_id: "C3", product: "Product4", price: 600, status: "B" },

]);

show collections;

db.Orders.countDocuments();

db.Orders.aggregate([{$group: {\_id:null, total: {$sum:"$price"}}}])

db.Orders.aggregate([{$group: {\_id:"$cust\_id", totalOrders:{$sum :1}}}])

db.Orders.aggregate([{$group: {\_id:"$cust\_id", totalPriceSum:{$sum: "$price"}}}])

db.Orders.aggregate([{$match: {status:"A"}},{$group: {\_id:"$cust\_id", totalPriceSum:{$sum: "$price"}}}])

db.Orders.aggregate([{$group: {\_id:"$cust\_id", totalOrders:{$sum :1}}},{$match: {totalOrders: {$gt:2}}}])

—------------------------------------------------------------------------------------------------------------------------

db.CensunData.insertMany([

{ city: "BARRE", state: "VT", population: 50000 },

{ city: "BURLINGTON", state: "VT", population: 42000 },

{ city: "NEW YORK", state: "NY", population: 8500000 },

{ city: "LOS ANGELES", state: "CA", population: 4000000 },

{ city: "CHICAGO", state: "IL", population: 2700000 },

{ city: "HOUSTON", state: "TX", population: 2300000 },

{ city: "PHOENIX", state: "AZ", population: 1700000 },

{ city: "SAN ANTONIO", state: "TX", population: 1500000 }

]);

db.CensunData.find();

db.CensunData.find().pretty();

db.CensunData.countDocuments();

db.CensunData.countDocuments({city: "BARRE"});

db.CensunData.aggregate([ { $group: { \_id: "$state", count: { $sum: 1 } } } ]);

db.CensunData.aggregate([ { $group: { \_id: "$state", totalPopulation: { $sum: "$population" } } }]);

db.CensunData.aggregate([ { $group: { \_id: "$state", count: { $sum: "$population" } } }, {$match: {count: {$gt:1000000}}}] );

db.CensunData.aggregate([{ $group: { \_id: "$state", averagePopulation: { $avg: "$population" } } }]);