

```

> db.products.deleteOne({})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.products.deleteOne({_id:1})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.products.deleteMany({"spec.ram":8})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.products.deleteOne({"spec.ram":{"$gt:8}})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.products.deleteMany({color:"white"})
< {
  acknowledged: true,
  deletedCount: 2
}
> db.sales.aggregate([
  { $match: { item: "Lattes" } },
  { $group: { _id: "$size", totalQty: { $sum: "$quantity" } } },
  { $sort: { totalQty: 1 } }
])
< {
  _id: 'Grande',
  totalQty: 25
}
{
  _id: 'Tall',
  totalQty: 30
}
> db.sales.aggregate([{$group: {_id:"$item",avgPrice: { $avg: "$price" }}}])
< {
  _id: 'Lattes',
  avgPrice: 20
}
{
  _id: 'Cappuccino',
  avgPrice: 7.666666666666667
}
{
  _id: 'Americanos',
  avgPrice: 8.25
}
{
  _id: 'Mochas',
  avgPrice: 25
}
> db.sales.aggregate([{$match: { price: { $gte: 8 } } },{$group: { _id: "$item", avgPrice: { $avg: "$price" } } }])
< {
  _id: 'Lattes',
  avgPrice: 20
}
{
  _id: 'Cappuccino',
  avgPrice: 10
}
{
  _id: 'Americanos',
  avgPrice: 9.333333333333334
}
{
  _id: 'Mochas',
  avgPrice: 25
}

```

```

> db.sales.aggregate([{$group: {_id: "$item", avgTotal: { $avg: { $multiply: ["$quantity", "$price"] } }}}])
< {
  _id: 'Americanos',
  avgTotal: 140
}
{
  _id: 'Mochas',
  avgTotal: 275
}
{
  _id: 'Lattes',
  avgTotal: 562.5
}
{
  _id: 'Cappuccino',
  avgTotal: 127.33333333333333
}
> db.sales.aggregate([{$group: {_id: "$item", avgprice: { $avg: { $multiply: ["$quantity", "$price"] } }}}])
< {
  _id: 'Americanos',
  avgprice: 140
}
{
  _id: 'Lattes',
  avgprice: 562.5
}
{
  _id: 'Mochas',
  avgprice: 275
}
{
  _id: 'Cappuccino',
  avgprice: 127.33333333333333
}
> db.sales.aggregate([{$group: {_id: "$item", avgprice: { $avg: { $multiply: ["$quantity", "$price"] } }}, {$match: {avgprice: { $gt: 140 } }}, {$sort: {avgprice: -1 } }])
< {
  _id: 'Lattes',
  avgprice: 562.5
}
{
  _id: 'Mochas',
  avgprice: 275
}
> db.sales.aggregate([{$group: {_id: "$item", countItems: { $count: { } } }])
< {
  _id: 'Cappuccino',
  countItems: 3
}
{
  _id: 'Mochas',
  countItems: 1
}
{
  _id: 'Americanos',
  countItems: 4
}
{
  _id: 'Lattes',
  countItems: 2
}
> db.sales.aggregate([{$group: {_id: "$item", countItems: { $count: { } } }, {$match: {countItems: { $gt: 2 } } }])
< {
  _id: 'Americanos',
  countItems: 4
}
{
  _id: 'Cappuccino',
  countItems: 3
}
> db.sales.aggregate([{$group: {_id: "$item", sumItems: { $sum: "$quantity" } } })
< {
  _id: 'Americanos',
  sumItems: 70
}
{
  _id: 'Mochas',
  sumItems: 11
}
{
  _id: 'Lattes',
  sumItems: 55
}
{

```

```

> db.sales.aggregate([{$group: { _id: "$item", sumItems: { $sum: "$price" } } }
,{ $match: { sumItems: { $gt: 1 } } },{$sort: { sumItems: 1 } },{$limit: 2 }])
< {
  _id: 'Cappuccino',
  sumItems: 23
}
{
  _id: 'Mochas',
  sumItems: 25
}
> db.sales.aggregate([{$group: { _id: "$item", sumItems: { $sum:{$multiply: ["$price","$quantity"]} } } }
,{ $match: { sumItems: { $gt: 100 } } },{$sort: { sumItems: 1 } }])
< {
  _id: 'Mochas',
  sumItems: 275
}
{
  _id: 'Cappuccino',
  sumItems: 382
}
{
  _id: 'Americanos',
  sumItems: 560
}
{
  _id: 'Lattes',
  sumItems: 1125
}
> db.sales.aggregate({$group:{_id:null,minPrice:{ $min:"$price" }}})
< {
  _id: null,
  minPrice: 5
}
> db.sales.aggregate({$group:{_id:null,minPrice:{ $min:{$multiply:["$price","$quantity"]} }}})
< {
  _id: null,
  minPrice: 72
}
> db.sales.aggregate({$group:{_id:null,minPrice:{ $max:{$multiply:["$price","$quantity"]} }}})
< {
  _id: null,
  minPrice: 750
}
> db.sales.aggregate({$group:{_id:"$item",minPrice:{ $max:{$multiply:["$price","$quantity"]} }}})
< {
  _id: 'Americanos',
  minPrice: 210
}
{
  _id: 'Mochas',
  minPrice: 275
}
{
  _id: 'Lattes',
  minPrice: 750
}
{
  _id: 'Cappuccino',
  minPrice: 170
}

```