MONGODB

DELETEONE:

```
> db.products.deleteOne({ _id: 1 });
< {
    acknowledged: true,
    deletedCount: 1
  }
vit>
```

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My Queries

CONNECTIONS (1)   ⤬ + ···

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```
>_MONGOSH                                    ⓘ
> db.products.deleteOne({price:{$lt:699}})
< {
      acknowledged: true,
      deletedCount: 1
  }
vit>
```

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```
> db.products.deleteMany({
      "spec.ram": { $gt: 8 },
      color: { $nin: ["gold"] }
  });
< {
      acknowledged: true,
      deletedCount: 2
  }
vit> |
```

```
>_MONGOSH
> db.sales.aggregate([
    {
$match:{item:"Americanos"}
},
    {
$group:{
_id:"$size",
totalQty:{$sum:"$quantity"}
}
},
    {
$sort:{totalQty:-1}
}
])
< {
    _id: 'Grande',
    totalQty: 33
}
{
    _id: 'Short',
    totalQty: 22
}
{
    _id: 'Tall',
    totalQty: 15
```

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```
> db.sales.aggregate([
    {
      $group: {
        _id: "$item",
        totalQty: { $sum: "$quantity" }
      }
    },
    {
      $sort: { totalQty: -1 }
    }
]);
< {
    _id: 'Americanos',
    totalQty: 70
  }
  {
    _id: 'Lattes',
    totalQty: 55
  }
  {
    _id: 'Cappuccino',
    totalQty: 49
  }
  {
    _id: 'Mochas',
```

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```
  }
}
> db.sales.aggregate([
    {
      $group: {
        _id: null,
        avgPrice: { $avg: "$price" }
      }
    }
]);
< {
    _id: null,
    avgPrice: 12.1
  }
vit>
```

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```
> db.sales.aggregate([
    {$match: {price:{$gte:8}}},
    {$group:{_id:"$item",
    avgPrice: {$avg: "$price"},
    },
    }
])
< {
    _id: 'Americanos',
    avgPrice: 9.333333333333334
  }
  {
    _id: 'Mochas',
    avgPrice: 25
  }
  {
    _id: 'Lattes',
    avgPrice: 20
  }
  {
    _id: 'Cappuccino',
    avgPrice: 10
  }
```

```
)
> db.sales.aggregate([
    {
      $project: {
        item: 1,
        revenue: { $multiply: ["$price", "$quantity"] }
      }
    },
    {
      $group: {
        _id: "$item",
        avgRevenue: { $avg: "$revenue" }
      }
    },
    {
      $sort: { avgRevenue: -1 }
    }
]);
< {
    _id: 'Lattes',
    avgRevenue: 562.5
  }
  {
    _id: 'Mochas',
    avgRevenue: 275
  }
  {
    _id: 'Americanos',
    avgRevenue: 140
  }
  {
    _id: 'Cappuccino',
    avgRevenue: 127.3333333333333
  }
vit>
```

```
> db.sales.aggregate([{ $group: { _id: "$item", avgRevenue: { $avg: { $multiply: ["$price", "$quantity"] } } } }, { $match: { avgRevenue: { $gt: 140 } } }
< {
    _id: 'Lattes',
    avgRevenue: 562.5
  }
  {
    _id: 'Mochas',
    avgRevenue: 275
  }
vit>
```

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```
> db.sales.aggregate([
    {
$group:{
_id:'$item',
itemCount:{$count:{}},
},
},
])
< {
    _id: 'Lattes',
    itemCount: 2
  }
  {
    _id: 'Americanos',
    itemCount: 4
  }
  {
    _id: 'Mochas',
    itemCount: 1
  }
  {
    _id: 'Cappuccino',
    itemCount: 3
  }
vit>
```

Connections Edit View Help

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```
> db.sales.aggregate([
    {
      $addFields: {
        revenue: { $multiply: ["$price", "$quantity"] }
      }
    },
    {
      $group: {
        _id: "$item",
        totalRevenue: { $sum: "$revenue" }
      }
    },
    {
      $sort: { totalRevenue: -1 }
    }
]);
< {
    _id: 'Lattes',
    totalRevenue: 1125
  }
  {
    _id: 'Americanos',
    totalRevenue: 560
  }
  {
    _id: 'Cappuccino',
    totalRevenue: 382
```

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```
> db.sales.aggregate([{$group:{_id:"$item",sumItems:{$sum:"$quantity"}}}])
< {
    _id: 'Americanos',
    sumItems: 70
  }
  {
    _id: 'Mochas',
    sumItems: 11
  }
  {
    _id: 'Cappuccino',
    sumItems: 49
  }
  {
    _id: 'Lattes',
    sumItems: 55
  }
vit >
```

```
> db.sales.aggregate([{$group:{_id:"$item",sumItems:{$sum:"$price"}}},
                      {$match:{sumItems:{$gte:100}}},{$limit:2}])
<
vit>
```

```
> db.sales.aggregate([
    {
      $group: {
        _id: null,
        maxQty: { $max: "$quantity" }
      }
    },
    {
      $project: {
        _id: 0,
        maxQty: 1
      }
    }
  ]);
< {
    maxQty: 30
  }
vit>
```

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```
> db.sales.aggregate([
    {
      $group: {
        _id: "$item",
        minRevenue: {
          $min: {
            $multiply: ["$quantity", "$price"]
          }
        }
      }
    }
  ]);
< {
    _id: 'Americanos',
    minRevenue: 110
  }
  {
    _id: 'Mochas',
    minRevenue: 275
  }
  {
    _id: 'Lattes',
    minRevenue: 375
  }
  {
    _id: 'Cappuccino',
    minRevenue: 72
  }
```