```
db.purchase_orders.insertMany(
           {product: "toothbrush", total: 4.75, customer: "Mike"},
           {product: "guitar", total: 199.99, customer: "Tom"},
           {product: "milk", total: 11.33, customer: "Mike"},
          {product: "pizza", total: 8.50, customer: "Karen"},
           {product: "toothbrush", total: 4.75, customer: "Karen"},
           {product: "pizza", total: 4.75, customer: "Dave"}
]
);
      "acknowledged" : true,
      "insertedIds" : [
            ObjectId("635ff445fa84c7f12ebc8e6d"),
            ObjectId("635ff445fa84c7f12ebc8e6e"
            ObjectId("635ff445fa84c7f12ebc8e6f"),
            ObjectId("635ff445fa84c7f12ebc8e70"),
            ObjectId("635ff445fa84c7f12ebc8e71"),
            ObjectId("635ff445fa84c7f12ebc8e72")
      ]
db.purchase_orders.aggregate(
      {$match:{product:{$in:['toothbrush','pizza']}}},
      {$group:{_id:'$product', earnings:{$sum:"$total"}}}
]
)
 "_id" : "toothbrush", "earnings" : 9.5 }
{ "_id" : "pizza", "earnings" : 13.25 }
db.purchase_orders.find({product:"toothbrush"}).count();
db.purchase_orders.distinct("product");
[ "guitar", "milk", "pizza", "toothbrush" ]
db.purchase_orders.aggregate(
Γ
        $group : {
             _id:"$customer",
            moneyspent:{$sum: "$total"}
        }
    }
]
 "_id" : "Dave", "moneyspent" : 4.75 }
"_id" : "Tom", "moneyspent" : 199.99 }
{ "_id" : "Karen", "moneyspent" : 13.25 }
{ "_id" : "Mike", "moneyspent" : 16.08 }
db.purchase_orders.aggregate(
    Γ
        {$project: {_id: 0, "product":1}},
        {$sort: {total: 1}},
        {$limit: 1}
{ "product" : "toothbrush" }
db.purchase_orders.aggregate(
Γ
    {$group: {_id: "$product", totalMoneySpent: {$sum: "$total"}}},
    {$sort: {"totalMonwySpent": 1}}
```

```
_id" : "toothbrush", "totalMoneySpent" : 9.5 }
{ "_id" : "pizza", "totalMoneySpent" : 13.25 } 
{ "_id" : "guitar", "totalMoneySpent" : 199.99 } 
{ "_id" : "milk", "totalMoneySpent" : 11.33 }
db.purchase_orders.aggregate(
    {$match:{product:"toothbrush"}},
    {$group:{_id:"$customer", countOfToothbrush:{$count:{}}}},
    {$sort:{countOfToothbrush: -1}},
    {$limit: 1}
]
 "_id" : "Mike", "countOfToothbrush" : 1 }
db.teachers.createIndex({empId:1})
{
      "numIndexesBefore" : 1,
      "numIndexesAfter" : 2,
      "createdCollectionAutomatically" : false,
      "ok" : 1
db.teachers.getIndexes()
      {
            "v" : 2,
            "key" : {
                  "_id" : 1
            "name" : "_id_"
      },
{
            "v" : 2,
            "key" : {
                  "empId" : 1
            "name" : "empId_1"
      }
db.collection.dropIndexes()
{
      "nIndexesWas" : 1,
      "msg" : "non-_id indexes dropped for collection",
db.teachers.createIndex({"empId":1, "name":1})
{
      "numIndexesBefore" : 2,
      "numIndexesAfter" : 3,
      "createdCollectionAutomatically" : false,
      "ok" : 1
db.teachers.getIndexes()
            "v" : 2,
            "key" : {
                    id" : 1
```