

```
> db.collection3.find();
{ "_id" : ObjectId("6348d43d64ae858c3ac44298"), "name" : "abc", "accno" : 1, "balance" : 25000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac44299"), "name" : "xyz", "accno" : 2, "balance" : 15000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429a"), "name" : "cdf", "accno" : 3, "balance" : 20000, "city" : "Mumbai" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429b"), "name" : "grg", "accno" : 4, "balance" : 17000, "city" : "Mumbai" }
{ "_id" : ObjectId("634fab79f5fe5b22b18e8268"), "name" : "qwe", "accno" : 5, "balance" : 15000, "city" : "Mumbai" }
```

```
> db.collection3.aggregate([{$sort:{balance:-1}}]);
{ "_id" : ObjectId("6348d43d64ae858c3ac44298"), "name" : "abc", "accno" : 1, "balance" : 25000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429a"), "name" : "cdf", "accno" : 3, "balance" : 20000, "city" : "Mumbai" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429b"), "name" : "grg", "accno" : 4, "balance" : 17000, "city" : "Mumbai" }
{ "_id" : ObjectId("6348d43d64ae858c3ac44299"), "name" : "xyz", "accno" : 2, "balance" : 15000, "city" : "Pune" }
{ "_id" : ObjectId("634fab79f5fe5b22b18e8268"), "name" : "qwe", "accno" : 5, "balance" : 15000, "city" : "Mumbai" }
```

```
db.collection3.distinct("accno");
[ 1, 2, 3, 4, 5 ]
```

```
db.collection3.count();
5
```

```
db.collection3.aggregate({$limit:4});
{ "_id" : ObjectId("6348d43d64ae858c3ac44298"), "name" : "abc", "accno" : 1, "balance" : 25000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac44299"), "name" : "xyz", "accno" : 2, "balance" : 15000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429a"), "name" : "cdf", "accno" : 3, "balance" : 20000, "city" : "Mumbai" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429b"), "name" : "grg", "accno" : 4, "balance" : 17000, "city" : "Mumbai" }
```

```
db.collection3.aggregate([{$group:{_id:"name",total:{$sum:"$balance"}}}]);
{ "_id" : "name", "total" : 92000 }
```

```
b.collection3.aggregate([{$group:{_id:"$city",avgamount:{$avg:"$balance"}}}]);
{ "_id" : "Mumbai", "avgamount" : 17333.333333333332 }
{ "_id" : "Pune", "avgamount" : 20000 }
```

```
> db.collection3.aggregate([{$group:{_id:"$city",min:{$min:"$balance"}}}]);
{ "_id" : "Mumbai", "min" : 15000 }

{ "_id" : "Pune", "min" : 15000 }
> db.collection3.aggregate([{$group:{_id:"$city",max:{$max:"$balance"}}}]);
{ "_id" : "Mumbai", "max" : 20000 }
{ "_id" : "Pune", "max" : 25000 }
```

Aggregation

```
db.collection3.aggregate([{$group:{_id:"$city"}}]);
{ "_id" : "Mumbai" }
{ "_id" : "Pune" }
```

```
db.collection3.aggregate([{$project:{name:1,city:1}}]);
{ "_id" : ObjectId("6348d43d64ae858c3ac44298"), "name" : "abc", "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac44299"), "name" : "xyz", "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429a"), "name" : "cdf", "city" : "Mumbai" }
{ "_id" : ObjectId("6348d43d64ae858c3ac4429b"), "name" : "grg", "city" : "Mumbai" }
{ "_id" : ObjectId("634fab79f5fe5b22b18e8268"), "name" : "qwe", "city" : "Mumbai" }
```

```
db.collection3.aggregate([{$match: {city:"Pune"}}]);
{ "_id" : ObjectId("6348d43d64ae858c3ac44298"), "name" : "abc", "accno" : 1, "balance" :
25000, "city" : "Pune" }
{ "_id" : ObjectId("6348d43d64ae858c3ac44299"), "name" : "xyz", "accno" : 2, "balance" :
15000, "city" : "Pune" }
```

INDEX

```
db.collection3.createIndex({"accno":1});
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
```

```
db.collection3.getIndexes();
[
  {
    "v" : 2,
    "key" : {
      "_id" : 1
    },
    "name" : "_id_",
    "ns" : "test.collection3"
  }
]
```

]

```
db.collection3.dropIndex({"accno":1});  
{ "nIndexesWas" : 2, "ok" : 1 }
```