```
> show dbs
admin     0.000GB
config     0.000GB
local      0.000GB
practice     0.000GB
testdb     0.000GB
> use practice
switched to db practice
> show collections
bank
sales
```

```
> db.bank.find().limit(1).pretty()
{
        "_id" : ObjectId("63995917ba9ee0a78327055e"),
        "age" : 44,
        "marital" : "married",
        "balance" : 6203,
        "contact" : "cellular",
        "duration" : 58,
        "outcome" : "failure",
        "date" : "17-Nov"
}
```

1. Find the number of customers

- -who are aged 40 and above
- -married
- -and the campaign outcome was successful for them

```
> db.bank.find({$and :[{'age':{$gte:40}},{'marital':'married'},{'outcome':'success'}]}).count()
32
```

2. Find the median age for the given list of customers?

```
> db.bank.find().count()
825
> db.bank.find().sort({'age':1}).skip(422).limit(1).pretty()
{
        "_id" : ObjectId("63995917ba9ee0a7832706aa"),
        "age" : 40,
        "marital" : "married",
        "balance" : 2133,
        "contact" : "cellular",
        "duration" : 377,
        "outcome" : "failure",
        "date" : "06-Apr"
}
```

3. Find the number of customers who were contacted in the month of February ('Feb')?

```
> db.bank.find({'date': {$regex:/\-Feb/}}).count()
111
```

- 4. For all the customers who are
 - -either single or divorced
 - -and either contacted through cellular or telephone
 - -find the highest balance?

- 5. find all customers
 - -who are age greater than equal to 40
 - -who has balance > 6000

```
> db.bank.find({$and:[{'age': {$gte: 40}},{'balance':{$gte:6000}}]}).count()
9
```

```
> db.bank.find().sort({balance:1}).limit(1).pretty()
{
        "_id" : ObjectId("63995917ba9ee0a7832707dd"),
        "age" : 45,
        "marital" : "married",
        "balance" : -1621,
        "contact" : "cellular",
        "duration" : 8,
        "outcome" : "failure",
        "date" : "15-May"
}
```

7. highest balance

```
> db.bank.find().sort({balance:-1}).limit(1).pretty()
{
        "_id" : ObjectId("63995917ba9ee0a783270598"),
        "age" : 33,
        "marital" : "married",
        "balance" : 17455,
        "contact" : "cellular",
        "duration" : 168,
        "outcome" : "failure",
        "date" : "18-Nov"
}
```