

MongoDB Exercise2

1) Create a database called **person** & create collection called **details**

```
> use person
switched to db person
```

```
> db.createCollection("details")
{ "ok" : 1 }
>
```

2) Create the above 6 person's details documents.

```
> db.details.insert ([{'Name':'Ragu','Age':18,'Salary':8000/=},{'Name':'Dinesh','Age':20,'Salary':10000/=},{'Name':'Rajesh','Age':40,'Salary':35000/=},{'Name':'Nila','Age':50,'Salary':15000/=},{'Name':'malar','Age':61,'Salary':20000/=},{'Name':'Ramani','Age':65,'Salary':20000/=}])
2018-07-05T14:55:50.285+0530 E QUERY [thread1] ReferenceError: invalid assignment left-hand side @ (shell):1:53
> db.details.insert ([{'Name':'Ragu','Age':18,'Salary':8000},{'Name':'Dinesh','Age':20,'Salary':10000},{'Name':'Rajesh','Age':40,'Salary':35000},{'Name':'Nila','Age':50,'Salary':15000},{'Name':'malar','Age':61,'Salary':20000},{'Name':'Ramani','Age':65,'Salary':20000}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 6,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

3) Find the persons following this conditions

1. Age > 50

```
db.details.find({'Age':{$gt:50}})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06f"), "Name" : "malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b070"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
>
```

2.Age < 50

```
> db.details.find({'Age':{$lt:50}})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06b"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06d"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

3.Salary=20000/=

```
> db.details.find({'Salary':20000})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06f"), "Name" : "malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b070"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
>
```

4.Salary <= 20000/=

```
> db.details.find({'Salary':{$lte:20000}})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06b"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06e"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06f"), "Name" : "malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b070"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
>
```

5.Salary < 20000/=

```
> db.details.find({'Salary':{$lt:20000}})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06b"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06e"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
>
```

6.Salary > 20000/=

```
> db.details.find({'Salary':{$gt:20000}})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06d"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

7.Age < 50 & Salary > 20000/=

```
> db.details.find({'$and':[{'Age':{$lt:50}},{'Salary':{$gt:20000}}]})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06d"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

8.Age < 50 or Salary > 20000/=

```
> db.details.find({'$or':[{'Age':{$lt:50}},{'Salary':{$gt:20000}}]})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06b"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06d"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
> █
```

9.Age < 20 or Salary >= 10000/=

```
> db.details.find({'$or':[{'Age':{$lt:20}},{'Salary':{$gte:10000}}]})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06b"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06d"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06e"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06f"), "Name" : "malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3de4a00146fd321ce7b070"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
> █
```

10.Age <= 20 and Salary >= 10000/=

```
> db.details.find({'$and':[{'Age':{$lte:20}},{'Salary':{$gte:10000}}]})
{ "_id" : ObjectId("5b3de4a00146fd321ce7b06c"), "Name" : "Dinesh", "Age" : 20, "Salary" : 10000 }
> █
```