

Name	Age	Salary
Ragu	18	8000/=
Dinesh	20	10000/=
Rajesh	40	35000/=
Nila	50	15000/=
Malar	61	20000/=
Ramani	65	20000/=

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'}])
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("5b3de1c90cddf778523b995e"), "Name" : "Malar", "Age" : "61", "Salary" : "20000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995f"), "Name" : "Ramani", "Age" : "65", "Salary" : "20000" }
> █
```

2) Age < 50

```
> db.details.find({'Age':{'$lt':'50'}})
{ "_id" : ObjectId("5b3de1c90cddf778523b995a"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995b"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995c"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
> █
```

3) Salary=20000/=

```
> db.details.find({'Salary':'20000'})
{ "_id" : ObjectId("5b3de1c90cddf778523b995e"), "Name" : "Malar", "Age" : "61", "Salary" : "20000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995f"), "Name" : "Ramani", "Age" : "65", "Salary" : "20000" }
> █
```

4) Salary <= 20000/=

```
> db.details.find({'Salary':{$lte:'20000'}})
{ "_id" : ObjectId("5b3de1c90cddf778523b995b"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995d"), "Name" : "Nila", "Age" : "50", "Salary" : "15000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995e"), "Name" : "Malar", "Age" : "61", "Salary" : "20000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995f"), "Name" : "Ramani", "Age" : "65", "Salary" : "20000" }
>
```

5) Salary < 20000/=

```
> db.details.find({'Salary':{$lt:'20000'}})
{ "_id" : ObjectId("5b3de1c90cddf778523b995b"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995d"), "Name" : "Nila", "Age" : "50", "Salary" : "15000" }
>
```

6) Salary > 20000/=

```
> db.details.find({'Salary':{$gt:'20000'}})
{ "_id" : ObjectId("5b3de1c90cddf778523b995a"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995c"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
>
```

7) Age < 50 & Salary > 20000/=

```
> db.details.find({'$and':[{'Age':{$lt:'50'}],{'Salary':{$gt:'20000'}}])
{ "_id" : ObjectId("5b3de1c90cddf778523b995a"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
{ "_id" : ObjectId("5b3de1c90cddf778523b995c"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
>
```

8) Age < 50 or Salary > 20000/=

```
> db.details.find({'$or':[{'Age':{$lt:'50'}],{'Salary':{$gt:'20000'}}}).pretty()
{
  "_id" : ObjectId("5b3de1c90cddf778523b995a"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"
}
{
  "_id" : ObjectId("5b3de1c90cddf778523b995b"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000"
}
{
  "_id" : ObjectId("5b3de1c90cddf778523b995c"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000"
}
>
```

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

```
> db.details.find({'$or':[{'Age':{$lt:'20'}],{'Salary':{$gte:'10000'}}}).pretty()
{
  "_id" : ObjectId("5b3de1c90cddf778523b995a"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"
}
>
```

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

```
> db.details.find({$and:[{"Age":{"$lt":"20"}},{"Salary":{"$gte":"10000"}}]}).pretty()
{
  "_id" : ObjectId("5b3de1c90cddf778523b995a"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"
}
```