

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

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

```
db.createcollection( 'details' )
"ok" : 1 }
```

Create the above 6 person's details documents.

```
"ok" : 1 }
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":"2000
"}, {"Name":"Ramani","Age":"65","Salary":"20000"}])
2018-07-05T15:22:38.747+0530 E QUERY [thread1] SyntaxError: missing } after p
roperty list @(shell):1:79
db.details.insert([{"Name":"Ragu","Age":"18","Salary":"8000"}, {"Name":"Dinesh",
Age":"20","Salary":"10000"}, {"Name":"Rajesh","Age":"40","Salary":"35000"}, {"Name":
e":"Nila","Age":"50","Salary":"15000"}, {"Name":"Malar","Age":"61","Salary":"2000
"}, {"Name":"Ramani","Age":"65","Salary":"20000"}])
bulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 6,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

Find the persons following this conditions

```
db.details.find().pretty()

  "_id" : ObjectId("5b3dead932ec161c09357991"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"

  "_id" : ObjectId("5b3dead932ec161c09357992"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000"

  "_id" : ObjectId("5b3dead932ec161c09357993"),
  "Name" : "Rajesh",
  "Age" : "40",
```

Age > 50

```
db.details.find({'Age':{'$gt': 50}})
{"_id" : ObjectId("5b3dead932ec161c09357995"), "Name" : "Malar", "Age" : "61",
"Salary" : "20000" }
{"_id" : ObjectId("5b3dead932ec161c09357996"), "Name" : "Ramani", "Age" : "65",
"Salary" : "20000" }
```

Age < 50

```
db.details.find({'Age':{'$lt': 50}})
18-07-05T15:43:50.799+0530 E QUERY [thread1] SyntaxError: missing ) after argument list @(shell):1:26
db.details.find({'Age':{'$lt':50}})
18-07-05T15:44:06.199+0530 E QUERY [thread1] SyntaxError: missing ) after argument list @(shell):1:26
db.details.find({'Age':{'$lt':50}}).pretty()
18-07-05T15:46:46.421+0530 E QUERY [thread1] SyntaxError: missing ) after argument list @(shell):1:26
db.details.find({'Age':{'$lt':50}})
{"_id" : ObjectId("5b3dead932ec161c09357991"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
{"_id" : ObjectId("5b3dead932ec161c09357992"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{"_id" : ObjectId("5b3dead932ec161c09357993"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
```

Salary=20000/=

```
db.details.find({'Salary':"20000"})
{"_id" : ObjectId("5b3dead932ec161c09357996"), "Name" : "Ramani", "Age" : "65", "Salary" : "20000" }
```

Salary <= 20000/=

```
db.details.find({'Salary':{'$lte': 20000}})
{"_id" : ObjectId("5b3dead932ec161c09357992"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{"_id" : ObjectId("5b3dead932ec161c09357994"), "Name" : "Nila", "Age" : "50", "Salary" : "15000" }
{"_id" : ObjectId("5b3dead932ec161c09357996"), "Name" : "Ramani", "Age" : "65", "Salary" : "20000" }
```

Salary < 20000/=

```
db.details.find({'Salary':{'$lt':20000}})
{"_id" : ObjectId("5b3dead932ec161c09357992"), "Name" : "Dinesh", "Age" : "20", "Salary" : "10000" }
{"_id" : ObjectId("5b3dead932ec161c09357994"), "Name" : "Nila", "Age" : "50", "Salary" : "15000" }
```

1) Salary > 20000/=

```
db.details.find({'Salary':{'$gt': 20000}})
18-07-05T16:16:58.860+0530 E QUERY [thread1] SyntaxError: expected expression, got '.' @(shell):1:0
```

Age < 50 or Salary > 20000/=

```
db.details.find({$or:[{"Age":{$lt:'50'}},{"Salary":{$gt:20000}}]}).pretty()

  "_id" : ObjectId("5b3dead932ec161c09357991"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"

  "_id" : ObjectId("5b3dead932ec161c09357992"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000"

  "_id" : ObjectId("5b3dead932ec161c09357993"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000"
```

Age < 20 or Salary >= 10000/=

```
db.details.find({$and:[{"Age":{$lt:'50'}},{"Salary":{$gt:'20000'}}]})
"_id" : ObjectId("5b3dead932ec161c09357991"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
"_id" : ObjectId("5b3dead932ec161c09357993"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
db.details.find({$or:[{"Age":{$lt:'20'}},{"Salary":{$gte:10000}}]}).pretty()
18-07-05T16:19:15.155+0530 E QUERY [thread1] SyntaxError: expected expression, got '.' @(shell):1:0
db.details.find({$or:[{"Age":{$lt:'20'}},{"Salary":{$gte:10000}}]}).pretty()

  "_id" : ObjectId("5b3dead932ec161c09357991"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"
```

Age <= 20 and Salary >= 10000/=

```
db.details.find({$and:[{"Age":{$lt:'50'}},{"Salary":{$gt:'20000'}}]})
"_id" : ObjectId("5b3dead932ec161c09357991"), "Name" : "Ragu", "Age" : "18", "Salary" : "8000" }
"_id" : ObjectId("5b3dead932ec161c09357993"), "Name" : "Rajesh", "Age" : "40", "Salary" : "35000" }
db.details.find({$or:[{"Age":{$lt:'20'}},{"Salary":{$gte:10000}}]}).pretty()
18-07-05T16:19:15.155+0530 E QUERY [thread1] SyntaxError: expected expression, got '.' @(shell):1:0
db.details.find({$or:[{"Age":{$lt:'20'}},{"Salary":{$gte:10000}}]}).pretty()

  "_id" : ObjectId("5b3dead932ec161c09357991"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"

db.details.find({$and:[{"Age":{$lt:'20'}},{"Salary":{$gte:'10000'}}]})
"_id" : ObjectId("5b3dead932ec161c09357991"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000"
```