

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

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
music    0.000GB
varun    0.000GB
> use Person
switched to db Person
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
music    0.000GB
varun    0.000GB
> db.createCollection('details')
{ "ok" : 1 }
> show dbs
Person   0.000GB
admin    0.000GB
config  0.000GB
local    0.000GB
music    0.000GB
varun    0.000GB
```

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,
```

Age > 50

```
> db.details.find({"Age":{"$gt":"50"}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f594"),
  "Name" : "Malar",
  "Age" : "61",
  "Salary" : "20000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f595"),
  "Name" : "Ramani",
  "Age" : "65",
  "Salary" : "20000/="
}
```

Age < 50

```
> db.details.find({"Age":{"$lt":"50"}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f591"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f592"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000/="
}
```

Salary=20000/=

```
> db.details.find({"Salary":"20000/="}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f594"),
  "Name" : "Malar",
  "Age" : "61",
  "Salary" : "20000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f595"),
  "Name" : "Ramani",
  "Age" : "65",
  "Salary" : "20000/="
}
```

Salary <= 20000/=

```
> db.details.find({"Salary":{"$gte:'20000/='}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f592"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f594"),
  "Name" : "Malar",
  "Age" : "61",
  "Salary" : "20000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f595"),
  "Name" : "Ramani",
  "Age" : "65",
  "Salary" : "20000/="
}
}
```

Salary < 20000/=

```
> db.details.find({"Salary":{"$lt:'20000/='}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f591"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f593"),
  "Name" : "Nila",
  "Age" : "50",
  "Salary" : "15000/="
}
> db.details.find({"Salary":{"$gt:'20000/='}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f592"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000/="
}
}
```

Salary > 20000/=

```
> db.details.find({"Salary":{"$lt:'20000/='}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f591"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f593"),
  "Name" : "Nila",
  "Age" : "50",
  "Salary" : "15000/="
}
> db.details.find({"Salary":{"$gt:'20000/='}}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "8000/="
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f592"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "35000/="
}
}
```

Age < 50 & Salary > 20000/=

```
> db.details.find({'$and':[{'Age':{'$lt:'50'}},{'Salary':{'$gt:'20000/='}}]})
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "35000"
}
```

Age < 50 or Salary > 20000/=

```
> db.details.find({'$or':[{'Age':{'$lt:'50'}},{'Salary':{'$gt:'20000/='}}]}).pretty()
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : "35000"
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f591"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : "10000"
}
{
  "_id" : ObjectId("5b3dd980ba6ac3eda029f592"),
  "Name" : "Rajesh",
  "Age" : "40",
  "Salary" : "9000"
}
}
```

Age < 20 or Salary >= 10000/=

```
> db.details.find({$or:[{"Age":{$lt:'20'}},{"Salary":{$gte:15000}}]}).pretty()
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : 35000
}
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f593"),
  "Name" : "Nila",
  "Age" : "50",
  "Salary" : 15000
}
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f594"),
  "Name" : "Malar",
  "Age" : "61",
  "Salary" : 20000
}
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f595"),
  "Name" : "Ramani",
  "Age" : "65",
  "Salary" : 20000
}
> |
```

Age <= 20 and Salary >= 10000/=

```
> db.details.find({$and:[{"Age":{$lte:'20'}},{"Salary":{$gte:10000}}]}).pretty()
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f590"),
  "Name" : "Ragu",
  "Age" : "18",
  "Salary" : 35000
}
{
  "id" : ObjectId("5b3dd980ba6ac3eda029f591"),
  "Name" : "Dinesh",
  "Age" : "20",
  "Salary" : 10000
}
> |
```