

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

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
music    0.000GB
uki3     0.000GB
> 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': 60, 'Salary': 20000}, {'Name': 'Ramani', 'Age': 65, 'Salary': 20000}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 6,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

```
> db.details.find().pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a7"),
  "Name" : "Nila",
  "Age" : 50,
  "Salary" : 15000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a8"),
  "Name" : "Malar",
  "Age" : 60,
  "Salary" : 20000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a9"),
  "Name" : "Ramani",
  "Age" : 65,
  "Salary" : 20000
}
```

3) Find the persons following this conditions

1. Age > 50

```
> db.details.find({'Age':{'$gt:50}}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a8"),
  "Name" : "Malar",
  "Age" : 60,
  "Salary" : 20000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a9"),
  "Name" : "Ramani",
  "Age" : 65,
  "Salary" : 20000
}
>
```

2. Age < 50

```
> db.details.find({'Age':{'$lt:50}}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000
}
>
```

3. Salary=20000/=

```
> db.details.find({'Salary':20000}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a8"),
  "Name" : "Malar",
  "Age" : 60,
  "Salary" : 20000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a9"),
  "Name" : "Ramani",
  "Age" : 65,
  "Salary" : 20000
}
>
```

4. Salary <= 20000/=

```
> db.details.find({'Salary':{'$lte:20000}}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a7"),
  "Name" : "Nila",
  "Age" : 50,
  "Salary" : 15000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a8"),
  "Name" : "Malar",
  "Age" : 60,
  "Salary" : 20000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a9"),
  "Name" : "Ramani",
  "Age" : 65,
  "Salary" : 20000
}
```

5. Salary < 20000/=

```
> db.details.find({'Salary':{'$lt:20000}}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a7"),
  "Name" : "Nila",
  "Age" : 50,
  "Salary" : 15000
}
```

6. Salary > 20000/=

```
> db.details.find({'Salary':{'$gt:20000'}}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000
}
```

7. Age < 50 & Salary > 20000/=

```
> db.details.find({'$and':[{'Age':{'$lt:50'}},{'Salary':{'$gt:20000'}}]}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "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("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000
}
```

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

```

> db.details.find({$or:[{'Age':{$lt:50}},{'Salary':{$gt:10000}}]}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a4"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a6"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a7"),
  "Name" : "Nila",
  "Age" : 50,
  "Salary" : 15000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a8"),
  "Name" : "Malar",
  "Age" : 60,
  "Salary" : 20000
}
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a9"),
  "Name" : "Raman",
  "Age" : 65,
  "Salary" : 20000
}
>

```

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

```

> db.details.find({$and:[{'Age':{$lte:20}},{'Salary':{$gte:10000}}]}).pretty()
{
  "_id" : ObjectId("5b3e40827a92e4c360d8d6a5"),
  "Name" : "Dinesh",
  "Age" : 20,
  "Salary" : 10000
}
>

```

