

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.

```
{ "_id" : ObjectId("5b3ddc66e6376bd6390919c3"),
  "Name" : "Ragu",
  "Age" : 18,
  "Salary" : 8000 }

{ "_id" : ObjectId("5b3ddc66e6376bd6390919c4"),
  "Name" : "Dinessh",
  "Age" : 20,
  "Salary" : 10000 }

{ "_id" : ObjectId("5b3ddc66e6376bd6390919c5"),
  "Name" : "Rajesh",
  "Age" : 40,
  "Salary" : 35000 }

{ "_id" : ObjectId("5b3ddc66e6376bd6390919c6"),
  "Name" : "Nila",
  "Age" : 50,
  "Salary" : 15000 }

{ "_id" : ObjectId("5b3ddc66e6376bd6390919c7"),
  "Name" : "Malar",
  "Age" : 61,
  "Salary" : 20000 }

{ "_id" : ObjectId("5b3ddc66e6376bd6390919c8"),
  "Name" : "Ramani",
  "Age" : 65,
  "Salary" : 20000 }
```

3) Find the persons following this conditions

Age > 50

```
> db.details.find({'Age':{$gt:50}})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6eb"), "Name" : "Malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ec"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
```

Age < 50

```
> db.details.find({'Age':{$lt:50}})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
```

Salary=20000/=

```
> db.details.find({'Salary': 20000})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6eb"), "Name" : "Malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ec"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
```

Salary <= 20000/=

```
> db.details.find({'Salary':{$lte: 20000}})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ea"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6eb"), "Name" : "Malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ec"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
```

Salary < 20000/=

```
> db.details.find({'Salary':{'$gt: 20000}})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

Salary > 20000/=

```
> db.details.find({'Salary':{'$lt: 20000}})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ea"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
>
```

Age < 50 & Salary > 20000/=

```
> db.details.find({'$and':[{'Age':{'$lt: 50}},{'Salary':{'$gt:20000}}]})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

Age < 50 or Salary > 20000/=

```
> db.details.find({'$or':[{'Age':{'$lt: 50}},{'Salary':{'$gt:20000}}]})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
>
```

Age < 20 or Salary >= 10000/=

```
> db.details.find({'$or':[{'Age':{'$lt: 20}},{'Salary':{'$gte:10000}}]})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ea"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6eb"), "Name" : "Malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ec"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
>
```

Age <= 20 and Salary >= 10000/=

```
> db.details.find({'$and':[{'Age':{'$lte: 20}},{'Salary':{'$gte:10000}}]})
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e7"), "Name" : "Ragu", "Age" : 18, "Salary" : 8000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e8"), "Name" : "Dinessh", "Age" : 20, "Salary" : 10000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6e9"), "Name" : "Rajesh", "Age" : 40, "Salary" : 35000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ea"), "Name" : "Nila", "Age" : 50, "Salary" : 15000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6eb"), "Name" : "Malar", "Age" : 61, "Salary" : 20000 }
{ "_id" : ObjectId("5b3ddf529f08b46a8c85d6ec"), "Name" : "Ramani", "Age" : 65, "Salary" : 20000 }
>
```