**CREATION OF DATABASE mongotest**

> use mongotest

switched to db mongotest

> db.employee.insertOne({'id':1,'fname':'Pankush', 'city':'Gurdaspur','salary':[

1,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99c934390e086cff202e04")

}

> db.employee.insertOne({'id':2,'fname':'Ridhima', 'city':'Indore','salary':[1,2

,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99c961390e086cff202e05")

}

> db.employee.insertOne({'id':3,'fname':'Satchit', 'city':'Amritsar','salary':[1

,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99c97f390e086cff202e06")

}

> db.employee.insertOne({'id':4,'fname':'Shishank', 'city':'Pathankot','salary':

[1,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99c9ba390e086cff202e07")

}

> db.employee.insertOne({'id':5,'fname':'Akshit', 'city':'Jammu','salary':[1,2,3

,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99c9d9390e086cff202e08")

}

> db.employee.insertOne({'id':6,'fname':'Thinlay', 'city':'Ladakh','salary':[1,2

,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99ca1c390e086cff202e09")

}

> db.employee.insertOne({'id':7,'fname':'Guru', 'city':'Lahore','salary':[1,2,3,

4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99ca3c390e086cff202e0a")

}

> db.employee.insertOne({'id':8,'fname':'Julia', 'city':'Amritsar','salary':[1,2

,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99ca56390e086cff202e0b")

}

> db.employee.insertOne({'id':9,'fname':'Raghu', 'city':'Gurdaspur','salary':[1,

2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99ca75390e086cff202e0c")

}

> db.employee.insertOne({'id':10,'fname':'Pratham', 'city':'Hoshiarpur','salary'

:[1,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99cad4390e086cff202e0d")

}

> db.employee.insertOne({'id':11,'fname':'Sudha', 'city':'Hoshiarpur','salary':[

1,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99cae9390e086cff202e0e")

}

> db.employee.insertOne({'id':12,'fname':'Devika', 'city':'Hoshiarpur','salary':

[1,2,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99cafa390e086cff202e0f")

}

> db.employee.insertOne({'id':13,'fname':'Taran', 'city':'Sangrur','salary':[1,2

,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99cb14390e086cff202e10")

}

> db.employee.insertOne({'id':14,'fname':'Inder', 'city':'Sangrur','salary':[1,2

,3,4,5,6,7,8,9,10,11,12]})

{

"acknowledged" : true,

"insertedId" : ObjectId("5e99cb27390e086cff202e11")

}

**Query no. 1**

> db.employee.find().pretty()

**Query no. 2**

> db.employee.find(id:1,fname:1).pretty()

**Query no. 3**

> db.employee.find({},{id:1,fname:1}).pretty()

**Query no. 4**

> db.employee.find({},{\_id:0,id:0,fname:1,city:1,salary:1}).pretty()

**Query no. 5**

> db.employee.find({id:{$gt:5,$lt:11}}).pretty()

**Query no. 6**

> db.employee.find({city:"Gurgaon").pretty()

**Query no. 7**

> db.employee.find({"salary.0":{$lt: 20000}})

**Query no. 8**

> db.employee.find({city: "Gurgaon", "salary.0":{$gt: 20000}})

**Query no. 9**

> db.employee.aggregate([{ "$group": { "\_id": null, "totalSalary": { "$sum": { "

$sum": "$salary.0" } } }} ])

{ "\_id" : null, "totalSalary" : 12 }

**Query no. 10**

> db.employee.find({city:"Gurgaon"}).count()