**First Insert 11 Records into the Employee Collection:**

db.employee.insertOne({**eno**:1,fname:"Pramod",lname:"Naik",salary:50000,doj:"2021-09-06",gender:"M",**designation**:"Manager",dno:"D01",pno:"P01", **supereno**:null});

db.employee.insertOne({eno:2,fname:"Prajwal",lname:"Bhat",salary:30000,doj:"2022-06-22",gender:"M",designation:"CEO",dno:"D02",pno:"P01", supereno:1});

db.employee.insertOne({eno:3,fname:"Manoj",lname:"M",salary:22000,doj:"2022-01-05",gender:"F",designation:"Clerk",dno:"D03",pno:"P01", supereno:1});

db.employee.insertOne({eno:5,fname:"Kumar",lname:"Sangakar",salary:7500,doj:"2010-10-17",gender:"M",designation:"Manager",dno:"D02",pno:"P01", supereno:null});

db.employee.insertOne({eno:6,fname:"Abhishek",lname:"Naik",salary:55000,doj:"2014-10-27",gender:"M",designation:"Head",dno:"D01",pno:"P02", supereno:5});

1. Retrieve First\_name,salary of all the employees whose designation is “Manager”

db.employee.find({designation:"Manager"},{fname:1,salary:1});

2. Fetch the documents from a collection for only those employees whose salary is either 7500 or doj is 17/10/2010

db.employee.find({$or:[{salary:7500},{doj:"2022-01-05"}]});

3.Skip the first 5 doc of employee collection and the show next five docs

db.employee.find().skip(5).limit(5);

4. Sort the documents from the employee collection first on dept\_no in ASC order and then on salary in DESC Order

db.employee.aggregate([{$sort:{dno:1,salary:-1}}]);

5. To retrive the first 3 documents from emp colletionwherin dept no D01

db.employee.find({dno:"D01"}).limit(3);

6. Find the doc from the employee collection where emp name ends with ‘h’

db.employee.find(

{fname : {$**regex**: "h$"}}

).pretty();

8. Retrieve the name of all the employees who involved in project either P01 or P02

db.employee.find({$**or**:[{pno:"P01"},{pno:"P02"}]},{fname:1});

9. Add new Field Date \_of\_join with a value ‘10/01/2018’ to the document with \_id : 4 of employees collection

db.employee.update(

{eno:"1"},

{ $set: {"date\_of\_joining":”10/01/2018” } }

)

**OR**

db.employee.update(

{fname:”Pramod”},

{ $set: {"new\_field": 1} },

false,

true

)

**OR**

db.employee.aggregate( [

{

$**addFields**: {

date\_of\_joining: "10/01/2018"

}

},

{

$match:{“\_id”:4}}

] )

10. Find the Maximum and Minimum Salary paid in each department

db.employee.aggregate( [

{

$group: {

\_id: "$dno",

max\_salary : {$max : "$salary"},

min\_salary :{$min : "$salary"}

}

}

] )