1.Create a database named Employee.

use Emloyee

Create a collection named empDetails

db.createCollection("empDetails")

You can use any of the fields Name, Age ,e\_mail, phone,salary

1. Insert 5 documents in it using the different insert() methods and

db.empDetails.insertOne({Name:"nish",Age:23,e\_Mail:"nishanparammal@gmail.com",Phone:9865455476,salary:30000})

db.empDetails.insert({Name:"athul",Age:23,e\_Mail:"ardraathul@gmail.com",Phone:9343455476,salary:45000})

db.empDetails.insertMany([{Name:"mohan",Age:23,e\_Mail:"vmk@gmail.com",Phone:9865455476,salary:32000},{Name:"rash",Age:22,e\_Mail:"rash@gmail.com",Phone:8885455476,salary:55000},{Name:"fabi",Age:23,e\_Mail:"fabinfrancisn@gmail.com",Phone:9834645476,salary:28000}])

1. Find the details of employee whose name is mohan

db.empDetails.find({Name:"mohan"})

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2a"), "Name" : "mohan", "Age" : 29, "e\_Mail" : "vmk@gmail.com", "Phone" : 9865455476, "salary" : 3200 }

1. Fetch the documents of employees whose salary >=5000

db.empDetails.find({salary:{$gt:5000}})

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2b"), "Name" : "Manu", "Age" : 29, "e\_Mail" : "rash@gmail.com", "Phone" : 8885455476, "salary" : 5500 }

1. Find the documents of employees whose name starts with letter r

db.empDetails.findOne({Name:/^r/})

{

"\_id" : ObjectId("6299ac18e050ae51c07d8b29"),

"Name" : "Raju",

"Age" : 32,

"e\_Mail" : "ardraathul@gmail.com",

"Phone" : 9343455476,

"salary" : 4500

}

d) Find the documents of employees whose name is not in mohan , raju, bhuvan

db.empDetails.findOne({Name:{$nin:["mohan","Raju","Bhavan"]}})

{

"\_id" : ObjectId("6299ad13e050ae51c07d8b2b"),

"Name" : "Manu",

"Age" : 29,

"e\_Mail" : "rash@gmail.com",

"Phone" : 8885455476,

"salary" : 5500

}

e)Retrieve the details of employees whose age is less than 30. Display only the fields name, salary

db.empDetails.find({Age:{$lt:30}},{name:1,salary:1})

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2a"), "salary" : 3200 }

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2b"), "salary" : 5500 }

f) Find the details of employees whose salary is >5000 and age is < 30

db.empDetails.find({$and:[{salary:{$gt:5000}},{Age:{$lt:30}}]})

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2b"), "Name" : "Manu", "Age" : 29, "e\_Mail" : "rash@gmail.com", "Phone" : 8885455476, "salary" : 5500 }

1. Update the e-mail of employee whose name is mohan // findOneAndUpdate()

db.empDetails.findOneAndUpdate({Name:'mohan'},{$set:{e\_Mail:"mohan@gmail.com"}})

{

"\_id" : ObjectId("6299ad13e050ae51c07d8b2a"),

"Name" : "mohan",

"Age" : 29,

"e\_Mail" : "vmk@gmail.com",

"Phone" : 9865455476,

"salary" : 3200

}

db.empDetails.find({Name:"mohan"})

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2a"), "Name" : "mohan", "Age" : 29, "e\_Mail" : "mohan@gmail.com", "Phone" : 9865455476, "salary" : 3200 }

1. Delete all the documents of employees whose age>31

db.empDetails.deleteMany({Age:{$gt:31}})

{ "acknowledged" : true, "deletedCount" : 1 }

db.empDetails.find()

{ "\_id" : ObjectId("6299ab68e050ae51c07d8b28"), "Name" : "Bhavan", "Age" : 30, "e\_Mail" : "nishanparammal@gmail.com", "Phone" : 9865455476, "salary" : 3000 }

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2a"), "Name" : "mohan", "Age" : 29, "e\_Mail" : "mohan@gmail.com", "Phone" : 9865455476, "salary" : 3200 }

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2b"), "Name" : "Manu", "Age" : 29, "e\_Mail" : "rash@gmail.com", "Phone" : 8885455476, "salary" : 5500 }

{ "\_id" : ObjectId("6299ad13e050ae51c07d8b2c"), "Name" : "Ram", "Age" : 31, "e\_Mail" : "fabinfrancisn@gmail.com", "Phone" : 9834645476, "salary" : 2800 }