1.Create a database named Employee. Create a collection named empDetails

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

> use mydb

switched to db mydb

> db.createCollection("Student")

{ "ok" : 1 }

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

> db.student.insert({"name":"manu","age":62,"email":"abc123@gmail.com","phone":1234567890,"salary":25000})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"name":"pappu","age":21,"email":"ac123@gmail.com","phone":1278667890,"salary":2000})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"name":"mohan","age":24,"email":"mohan123@gmail.com","phone":1299667890,"salary":6000})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"name":"raju","age":22,"email":"raju123@gmail.com","phone":1299667890,"salary":4000})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"name":"bhuvan","age":22,"email":"bhuvan123@gmail.com","phone":1289667890,"salary":40550})

WriteResult({ "nInserted" : 1 })

1. Find the details of employee whose name is mohan

> db.student.find({"name":"mohan"}).pretty()

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"age" : 24,

"email" : "mohan123@gmail.com",

"phone" : 1299667890,

"salary" : 6000

}

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

> db.student.find({"salary":{$gt:5000}}).pretty()

{

"\_id" : ObjectId("629ad0337738eba5b7d72ab0"),

"name" : "manu",

"age" : 62,

"email" : "abc123@gmail.com",

"phone" : 1234567890,

"salary" : 25000

}

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"age" : 24,

"email" : "mohan123@gmail.com",

"phone" : 1299667890,

"salary" : 6000

}

{

"\_id" : ObjectId("629ad0647738eba5b7d72ab4"),

"name" : "bhuvan",

"age" : 22,

"email" : "bhuvan123@gmail.com",

"phone" : 1289667890,

"salary" : 40550

}

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

> db.student.find({"name":/^r/}).pretty()

{

"\_id" : ObjectId("629ad05a7738eba5b7d72ab3"),

"name" : "raju",

"age" : 22,

"email" : "raju123@gmail.com",

"phone" : 1299667890,

"salary" : 4000

}

1. Find the documents of employees whose name is not in mohan , raju, bhuvan

> db.student.find({"name":{$nin:["mohan","raju","bhuvan"]}}).pretty()

{

"\_id" : ObjectId("629ad0337738eba5b7d72ab0"),

"name" : "manu",

"age" : 62,

"email" : "abc123@gmail.com",

"phone" : 1234567890,

"salary" : 25000

}

{

"\_id" : ObjectId("629ad03f7738eba5b7d72ab1"),

"name" : "pappu",

"age" : 21,

"email" : "ac123@gmail.com",

"phone" : 1278667890,

"salary" : 2000

}

1. Find the documents of employees whose names are mohan , raju, bhuvan

> db.student.find({"name":{$in:["mohan","raju","bhuvan"]}}).pretty()

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"age" : 24,

"email" : "mohan123@gmail.com",

"phone" : 1299667890,

"salary" : 6000

}

{

"\_id" : ObjectId("629ad05a7738eba5b7d72ab3"),

"name" : "raju",

"age" : 22,

"email" : "raju123@gmail.com",

"phone" : 1299667890,

"salary" : 4000

}

{

"\_id" : ObjectId("629ad0647738eba5b7d72ab4"),

"name" : "bhuvan",

"age" : 22,

"email" : "bhuvan123@gmail.com",

"phone" : 1289667890,

"salary" : 40550

}

>

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

> db.student.find({age:{$lt:30}},{name:1,salary:1}).pretty()

{

"\_id" : ObjectId("629ad03f7738eba5b7d72ab1"),

"name" : "pappu",

"salary" : 2000

}

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"salary" : 6000

}

{

"\_id" : ObjectId("629ad05a7738eba5b7d72ab3"),

"name" : "raju",

"salary" : 4000

}

{

"\_id" : ObjectId("629ad0647738eba5b7d72ab4"),

"name" : "bhuvan",

"salary" : 40550

}

1. Find the details of employees whose salary is >5000 and age is < 30

> db.student.find({$and:[{age:{$lt:30}},{salary:{$gt:5000}}]}).pretty()

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"age" : 24,

"email" : "mohan123@gmail.com",

"phone" : 1299667890,

"salary" : 6000

}

{

"\_id" : ObjectId("629ad0647738eba5b7d72ab4"),

"name" : "bhuvan",

"age" : 22,

"email" : "bhuvan123@gmail.com",

"phone" : 1289667890,

"salary" : 40550

}

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

> db.student.findOneAndUpdate({name:"mohan"},{$set:{email:"aswwwiin3@gmail.com"}})

{

"\_id" : ObjectId("629ad04d7738eba5b7d72ab2"),

"name" : "mohan",

"age" : 24,

"email" : "aswwwiin3@gmail.com",

"phone" : 1299667890,

"salary" : 6000

}

1. Delete all the documents of employees whose age>56

> db.student.deleteMany({age:{$gt:56}})

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