> use mydb;

switched to db mydb

> db.createCollection("student");

{ "ok" : 1 }

> db.student.insert({name:"Jeshtha",class:"T.E.",Age:"19",grade:"firstclass"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Priya",class:"S.E.",Age:"18",grade:"firstclass"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Radha",class:"F.E.",Age:"17",grade:"Distinction"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Raj",class:"F.E.",Age:"17",grade:"Distinction"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Manish",class:"S.E.",Age:"18",grade:"Distinction"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Nisha",class:"T.E.",Age:"19",grade:"Distinction"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Meena",class:"B.E.",Age:"20",grade:"firstclass"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Mohan",class:"S.E.",Age:"20",grade:"firstclass",address:"Nashik"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Rohan",class:"T.E.",Age:"19",grade:"secondclass",address:"Nashik"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Rehan",class:"B.E.",Age:"22",grade:"secondclass",address:"Nashik"});

WriteResult({ "nInserted" : 1 })

> db.student.insert({name:"Mugdha",class:"B.E.",Age:"20",grade:"Distinction",address:"Nashik"});

WriteResult({ "nInserted" : 1 })

> db.student.find().pretty();

{

"\_id" : ObjectId("59f00951aaed4a6f1c1477be"),

"name" : "Jeshtha",

"class" : "T.E.",

"Age" : "19",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f00964aaed4a6f1c1477bf"),

"name" : "Priya",

"class" : "S.E.",

"Age" : "18",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f0097aaaed4a6f1c1477c0"),

"name" : "Radha",

"class" : "F.E.",

"Age" : "17",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f0098baaed4a6f1c1477c1"),

"name" : "Raj",

"class" : "F.E.",

"Age" : "17",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f0099faaed4a6f1c1477c2"),

"name" : "Manish",

"class" : "S.E.",

"Age" : "18",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f009adaaed4a6f1c1477c3"),

"name" : "Nisha",

"class" : "T.E.",

"Age" : "19",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f009c5aaed4a6f1c1477c4"),

"name" : "Meena",

"class" : "B.E.",

"Age" : "20",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f009dfaaed4a6f1c1477c5"),

"name" : "Mohan",

"class" : "S.E.",

"Age" : "20",

"grade" : "firstclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a04aaed4a6f1c1477c6"),

"name" : "Rohan",

"class" : "T.E.",

"Age" : "19",

"grade" : "secondclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a1eaaed4a6f1c1477c7"),

"name" : "Rehan",

"class" : "B.E.",

"Age" : "22",

"grade" : "secondclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a34aaed4a6f1c1477c8"),

"name" : "Mugdha",

"class" : "B.E.",

"Age" : "20",

"grade" : "Distinction",

"address" : "Nashik"

}

\*\*S.E.Students Only\*\*

> **> db.student.find({class:"S.E."}).pretty();**

{

"\_id" : ObjectId("59f00964aaed4a6f1c1477bf"),

"name" : "Priya",

"class" : "S.E.",

"Age" : "18",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f0099faaed4a6f1c1477c2"),

"name" : "Manish",

"class" : "S.E.",

"Age" : "18",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f009dfaaed4a6f1c1477c5"),

"name" : "Mohan",

"class" : "S.E.",

"Age" : "20",

"grade" : "firstclass",

"address" : "Nashik"

}

**\*\*S.E.Student having distinction use $and\*\***

> db.student.find({$and:[{class:"S.E."},{grade:"Distinction"}]}).pretty();

{

"\_id" : ObjectId("59f0099faaed4a6f1c1477c2"),

"name" : "Manish",

"class" : "S.E.",

"Age" : "18",

"grade" : "Distinction"

}

**\*\*Students having distinction from S.E. or T.E. or B.E. using $and $or\*\***

> db.student.find({$and:[{$or:[{class:"S.E."},{class:"T.E."},{class:"B.E."}]},{grade:"Distinction"}]}).pretty();

{

"\_id" : ObjectId("59f0099faaed4a6f1c1477c2"),

"name" : "Manish",

"class" : "S.E.",

"Age" : "18",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f009adaaed4a6f1c1477c3"),

"name" : "Nisha",

"class" : "T.E.",

"Age" : "19",

"grade" : "Distinction"

}

{

"\_id" : ObjectId("59f00a34aaed4a6f1c1477c8"),

"name" : "Mugdha",

"class" : "B.E.",

"Age" : "20",

"grade" : "Distinction",

"address" : "Nashik"

}

**\*\*students having age atleast 20 using $not &$lt\*\***

> db.student.find({Age:{$not:{$lt:"20"}}}).pretty();

{

"\_id" : ObjectId("59f009c5aaed4a6f1c1477c4"),

"name" : "Meena",

"class" : "B.E.",

"Age" : "20",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f009dfaaed4a6f1c1477c5"),

"name" : "Mohan",

"class" : "S.E.",

"Age" : "20",

"grade" : "firstclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a1eaaed4a6f1c1477c7"),

"name" : "Rehan",

"class" : "B.E.",

"Age" : "22",

"grade" : "secondclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a34aaed4a6f1c1477c8"),

"name" : "Mugdha",

"class" : "B.E.",

"Age" : "20",

"grade" : "Distinction",

"address" : "Nashik"

}

**\*\*$nor used to check not equal to conditions\*\***

**Students not having Distinction**

**and not in “S.E”**

> db.student.find({$nor:[{grade:"Distinction"},{class:"S.E."}]}).pretty();

{

"\_id" : ObjectId("59f00951aaed4a6f1c1477be"),

"name" : "Jeshtha",

"class" : "T.E.",

"Age" : "19",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f009c5aaed4a6f1c1477c4"),

"name" : "Meena",

"class" : "B.E.",

"Age" : "20",

"grade" : "firstclass"

}

{

"\_id" : ObjectId("59f00a04aaed4a6f1c1477c6"),

"name" : "Rohan",

"class" : "T.E.",

"Age" : "19",

"grade" : "secondclass",

"address" : "Nashik"

}

{

"\_id" : ObjectId("59f00a1eaaed4a6f1c1477c7"),

"name" : "Rehan",

"class" : "B.E.",

"Age" : "22",

"grade" : "secondclass",

"address" : "Nashik"

}

> db.student.save({\_id:"100",name:"Venu",class:"S.E."});

WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "\_id" : "100" })

> db.student.find({\_id:"100"}).pretty();

{ "\_id" : "100", "name" : "Venu", "class" : "S.E." }

> db.student.save({\_id:"100",grade:"firstclass"});

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 0 })

> db.student.find({\_id:"100"});

{ "\_id" : "100", "grade" : "firstclass" }