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Database Management System Laboratory
   Name:-NISHA
                  Assignment No:-9
                                     Roll NO:-3334
  admin1@admin1-HP-EliteDesk-800-G1-TWR:~$ service mongodb start
  admin1@admin1-HP-EliteDesk-800-G1-TWR:~$ mongo
  MongoDB shell version v3.6.3
  > db.createCollection("students")
  { "ok" : 1 }
  > use students
  switched to db students
  > db.students.find()
  > db.students.insert({name:"Mustafa",branch:"COMP",cgpa:9,nativeCity:"kota"})
  WriteResult({ "nInserted" : 1 })
  > db.students.find()
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
  > db.students.insert({name:"Pranay",branch:"IT",cgpa:8,nativeCity:"delhi"})
  WriteResult({ "nInserted" : 1 })
  > db.students.insert({name:"Rahul",branch:"COMP",cgpa:9,nativeCity:"Hyderabad"})
  WriteResult({ "nInserted" : 1 })
  > db.students.find()
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
    _id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
  : 8, "nativeCity" : "delhi" }
 { "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
  : 9, "nativeCity" : "Hyderabad" }
 > db.students.insert({name:"saurabh",branch:"ENTC",cgpa:10,nativeCity:"Bengaluru"})
 WriteResult({ "nInserted" : 1 })
 > db.students.insert({name:"Abhishek",branch:"MECH",cgpa:7,nativeCity:"jammu"})
 WriteResult({ "nInserted" : 1 })
 > db.students.find()
"cgpa" : 9, "nativeCity" : "kota" }
   "_id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
 : 8, "nativeCity" : "delhi" }
 { "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
 : 9, "nativeCity" : "Hyderabad" }
 { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
 "cgpa" : 10, "nativeCity" : "Bengaluru" }
    _id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH".
 "cgpa" : 7, "nativeCity" : "jammu" }
 > db.students.update({name:{$eq:"Pranay"}},{$set:{cgpa:10}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
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> db.students.find()
[ "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
"cgpa" : 9, "nativeCity" : "kota" }
   _id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
: 10, "nativeCity" : "delhi" }
{ "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
: 9, "nativeCity" : "Hyderabad" }
{ "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
"cgpa" : 10, "nativeCity" : "Bengaluru" }
   _id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
"cgpa" : 7, "nativeCity" : "jammu" }
> db.students.find({$or:[{cgpa:{$gt:9}},{branch:{$eq:"COMP"}}]})
{ "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
"cgpa" : 9, "nativeCity" : "kota" }
  __id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
: 10, "nativeCity" : "delhi" }
{ "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
: 9, "nativeCity" : "Hyderabad" }
  "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
"cgpa" : 10, "nativeCity" : "Bengaluru" }
> db.students.find({branch:{$not:{$eq:"IT"}}})
{ "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
"cgpa" : 9, "nativeCity" : "kota" }
   _id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
: 9, "nativeCity" : "Hyderabad" }
{ "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
"cgpa" : 10, "nativeCity" : "Bengaluru" }
  __id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
"cgpa" : 7, "nativeCity" : "jammu" }
> db.students.update({name:{$eq:"Pranay"}},{$set:{nativeCity:"Mumbai"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find()
{ "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
"cgpa" : 9, "nativeCity" : "kota" }
  __id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
: 10, "nativeCity" : "Mumbai" }
{ "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
: 9, "nativeCity" : "Hyderabad" }
"_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
"cgpa" : 10, "nativeCity" : "Bengaluru" }
  __id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
"cgpa" : 7, "nativeCity" : "jammu" }
> db.students.update({name:{$eq:"Abhishek"}},{$set:{nativeCity:"Mumbai"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find()
{ "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
"cgpa" : 9, "nativeCity" : "kota" }
  __id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
: 10, "nativeCity" : "Mumbai" }
"_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
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: 9, "nativeCity" : "Hyderabad" }
  { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
  "cgpa" : 10, "nativeCity" : "Bengaluru" }
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  > db.students.find({$and:[{cgpa:{$eq:7}},{nativeCity:{$eq:"Mumbai"}}]})
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  > db.students.find({$or:[{cgpa:{$not:{$gt:9}}},{branch:{$eq:"COMP"}}]})
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
  { "_id" : ObjectId("6329fe9e50aa71a8a62424c2"), "name" : "Rahul", "branch" : "COMP", "cgpa"
  : 9, "nativeCity" : "Hyderabad" }
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  > db.students.find({$or:[{cgpa:{$not:{$eq:9}}},{branch:{$eq:"COMP"}}]})
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
  { "_id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
10, "nativeCity": "Mumbai" }
{ "_id": ObjectId("6329fe9e50aa71a8a62424c2"), "name": "Rahul", "branch": "COMP", "cgpa"
  : 9, "nativeCity" : "Hyderabad" }
  { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
  "cgpa" : 10, "nativeCity" : "Bengaluru" }
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  > db.students.remove({name:"Rahul"})
  WriteResult({ "nRemoved" : 1 })
  > db.students.find()
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
     _id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
  : 10, "nativeCity" : "Mumbai" }
  { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
  "cgpa" : 10, "nativeCity" : "Bengaluru" }
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  > db.students.save({name:"Abhishek",branch:"MECH",cgpa:7,nativeCity:"jammu"})
 WriteResult({ "nInserted" : 1 })
  > db.students.find()
  { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
  "cgpa" : 9, "nativeCity" : "kota" }
    d" id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
  : 10, "nativeCity" : "Mumbai" }
  { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
  "cgpa" : 10, "nativeCity" : "Bengaluru" }
  { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
  "cgpa" : 7, "nativeCity" : "Mumbai" }
  { "_id" : ObjectId("632a048f50aa71a8a62424c5"), "name" : "Abhishek", "branch" : "MECH",
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"Cgpa" : 7, "nativeCity" : "jammu" }
 db.students.save({_id:"632a048f50aa71a8a62424c5",name:"Abhishek",branch:"IT",cgpa:7,nativeC
 ity:"jammu"})
 WriteResult({
         "nMatched" : 0,
          "nUpserted" : 1,
          "nModified" : 0,
          "_id" : "632a048f50aa71a8a62424c5"
 })
 db.students.save({_id:ObjectId("632a048f50aa71a8a62424c5"),name:"Abhishek",branch:"IT",cgpa
 :7,nativeCity:"jammu"})
 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
 > db.students.find()
 { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
 "cgpa" : 9, "nativeCity" : "kota" }
   _id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
 : 10, "nativeCity" : "Mumbai" }
 { "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
 "cgpa" : 10, "nativeCity" : "Bengaluru" }
 { "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
 "cgpa" : 7, "nativeCity" : "Mumbai" }
 { "_id" : ObjectId("632a048f50aa71a8a62424c5"), "name" : "Abhishek", "branch" : "IT",
 "cgpa" : 7, "nativeCity" : "jammu" }
 { "_id" : "632a048f50aa71a8a62424c5", "name" : "Abhishek", "branch" : "IT", "cgpa" : 7,
 "nativeCity" : "jammu" }
> db.students.save({_id:3358,name:"Ankush",branch:"COMP",cgpa:8,nativeCity:"Bengaluru"})
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 3358 })
> db.students.find()
 { "_id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
 "cgpa" : 9, "nativeCity" : "kota" }
   _id" : ObjectId("6329fe7f50aa71a8a62424c1"), "name" : "Pranay", "branch" : "IT", "cgpa"
 : 10, "nativeCity" : "Mumbai" }
{ "_id" : ObjectId("6329fecc50aa71a8a62424c3"), "name" : "saurabh", "branch" : "ENTC",
"cgpa" : 10, "nativeCity" : "Bengaluru" }
{ "_id" : ObjectId("6329fef250aa71a8a62424c4"), "name" : "Abhishek", "branch" : "MECH",
"cgpa" : 7, "nativeCity" : "Mumbai" }
{ "_id" : ObjectId("632a048f50aa71a8a62424c5"), "name" : "Abhishek", "branch" : "IT",
"cgpa" : 7, "nativeCity" : "jammu" }
{ "_id" : "632a048f50aa71a8a62424c5", "name" : "Abhishek", "branch" : "IT", "cgpa" : 7,
"nativeCity" : "jammu" }
{ "_id" : 3358, "name" : "Ankush", "branch" : "COMP", "cgpa" : 8, "nativeCity" :
 "Bengaluru" }
> db.students.save({_id:3358,name:"Rishabh"})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find()
{ " id" : ObjectId("6329fe6150aa71a8a62424c0"), "name" : "Mustafa", "branch" : "COMP",
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