

ASSIGNMENT NO:9

*/*PROBLEM STATEMENT:MongoDB Queries:*

DesignandDevelopMongoDBQueriesusingCRUDOperations.(UseCRUDOperations, SAVE method, logical operators etc.)./*

gescoe@gescoe-OptiPlex-3010:~\$ mongo

MongoDB shell version: 2.6.12

connecting to: test

> use TEB_41;

switched to db TEB_41

> db.createCollection("Student");

{ "ok" : 1 }

> db.Student.insert({"Rollno":1,"Name":"Sae","Branch":"Computer","Marks":95});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":2,"Name":"Sayali","Branch":"IT","Marks":75});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":3,"Name":"Gauri","Branch":"Mechanical","Marks":82});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":4,"Name":"Jayesh","Branch":"Computer","Marks":60});

WriteResult({ "nInserted" : 1 })

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

{

 "_id" : ObjectId("66c5c039f69f7a64bf57360b"),

 "Rollno" : 1,

 "Name" : "Sae",

 "Branch" : "Computer",

 "Marks" : 95

}

{

 "_id" : ObjectId("66c5c05af69f7a64bf57360c"),

 "Rollno" : 2,

 "Name" : "Sayali",

 "Branch" : "IT",

 "Marks" : 75

}

{

 "_id" : ObjectId("66c5c07df69f7a64bf57360d"),

 "Rollno" : 3,

 "Name" : "Gauri",

 "Branch" : "Mechanical",

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    "Marks" : 82
  }
  {
    "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
    "Rollno" : 4,
    "Name" : "Jayesh",
    "Branch" : "Computer",
    "Marks" : 60
  }
> db.Student.update({"Name":"Jayesh"},{$set:{"Name":"Shau"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Saeed",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "Sayali",
  "Branch" : "IT",
  "Marks" : 75
}
{
  "_id" : ObjectId("66c5c07df69f7a64bf57360d"),
  "Rollno" : 3,
  "Name" : "Gauri",
  "Branch" : "Mechanical",
  "Marks" : 82
}
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Rollno" : 4,
  "Name" : "Shau",
  "Branch" : "Computer",
  "Marks" : 60
}

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> db.Student.remove({"Rollno":3});
WriteResult({ "nRemoved" : 1 })
> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Sae",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "Sayali",
  "Branch" : "IT",
  "Marks" : 75
}
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Rollno" : 4,
  "Name" : "Shau",
  "Branch" : "Computer",
  "Marks" : 60
}
> db.Student.save({"_id" :
ObjectId("66c5c0a1f69f7a64bf57360e"),"Branch":"AIDS","Marks":80});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Sae",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "Sayali",
  "Branch" : "IT",

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```

    "Marks" : 75
  }
  {
    "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
    "Branch" : "AIDS",
    "Marks" : 80
  }
> db.Student.find({$and:[{"Branch":"Computer"}, {"Marks":95}]}).pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Sae",
  "Branch" : "Computer",
  "Marks" : 95
}
> db.Student.find({$or:[{"Branch":"Computer"}, {"Marks":75}]}).pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Sae",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "Sayali",
  "Branch" : "IT",
  "Marks" : 75
}
> db.Student.find({$nor:[{"Branch":"Computer"}, {"Marks":75}]}).pretty();
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Branch" : "AIDS",
  "Marks" : 80
}
> db.Student.find({$and:[{"Branch":"Computer"}, {"Marks":{"$gt:90"}}]}).pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,

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```
"Name" : "Sae",  
"Branch" : "Computer",  
"Marks" : 95  
}  
>
```