

## ASSIGNMENT NO : 1 (B)

Name : Ronak Sanjay Rahane

Roll No : 26

Batch : TE - B2

### PROBLEM STATEMENT :

MongoDB Queries: Design and Develop MongoDB Queries using CRUD operations.(UseCRUDoperations, SAVE method, logical operators etc.).

### Output :

```
gescoe@gescoe-OptiPlex-3010:~$ mongo
MongoDB shell version: 2.6.12
connecting to: test
> use TEB_26;
switched to db TEB_26
> db.createCollection("Student");
{"ok" : 1}
> db.Student.insert({"Rollno":1,"Name":"Raj","Branch":"Computer","Marks":95});
WriteResult({ "nInserted" : 1 })
> db.Student.insert({"Rollno":2,"Name":"maya","Branch":"IT","Marks":75});
WriteResult({ "nInserted" : 1 })
> db.Student.insert({"Rollno":3,"Name":"ronak","Branch":"Mechanical","Marks":82});
WriteResult({ "nInserted" : 1 })
> db.Student.insert({"Rollno":4,"Name":"yash","Branch":"Computer","Marks":60});
WriteResult({ "nInserted" : 1 })
> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Raj",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "maya",
  "Branch" : "IT",
  "Marks" : 75
}
{
```

```

    "_id" : ObjectId("66c5c07df69f7a64bf57360d"),
    "Rollno" : 3,
    "Name" : "ronak",
    "Branch" : "Mechanical",
    "Marks" : 82}
  {
    "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
    "Rollno" : 4,
    "Name" : "yash",
    "Branch" : "Computer",
    "Marks" : 60
  }
> db.Student.update({"Name":"yash"},{$set:{"Name":"prajwal"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Raj",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "maya",
  "Branch" : "IT",
  "Marks" : 75
}
{
  "_id" : ObjectId("66c5c07df69f7a64bf57360d"),
  "Rollno" : 3,
  "Name" : "ronak",
  "Branch" : "Mechanical",
  "Marks" : 82
}
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Rollno" : 4,
  "Name" : "prajwal",
  "Branch" : "Computer",
  "Marks" : 60
}
> db.Student.remove({"Rollno":3});WriteResult({ "nRemoved" : 1 })

```

```

> db.Student.find().pretty();
{
  "_id" : ObjectId("66c5c039f69f7a64bf57360b"),
  "Rollno" : 1,
  "Name" : "Raj",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "maya",
  "Branch" : "IT",
  "Marks" : 75
}
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Rollno" : 4,
  "Name" : "prajwal",
  "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" : "Raj",
  "Branch" : "Computer",
  "Marks" : 95
}
{
  "_id" : ObjectId("66c5c05af69f7a64bf57360c"),
  "Rollno" : 2,
  "Name" : "maya",
  "Branch" : "IT",
  "Marks" : 75
}
{
  "_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),
  "Branch" : "AIDS",
  "Marks" : 80
}

```

```

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

```

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