

ASSIGNMENT NO:9

PROBLEM STATEMENT: MongoDB Queries:

Design and Develop MongoDB Queries using CRUD Operations. (Use CRUD Operations, SAVE method, logical operators etc.).

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

```
MongoDB shell version: 2.6.12
```

```
connecting to: test
```

```
> use TEB_39;
```

```
switched to db TEB_39
```

```
> 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",
```

```

    "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
}

```

```

> 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",

```

```

    "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
}

```